C 8850-1A

Textile Organon

Vol 56, No. 11 □ November 1985

A publication of the Textile Economics Bureau, Inc.

MONTHLY REVIEW

Highlights

Third Quarter 1985 Production of Noncellulosic Yarn+Monofilaments and Staple+Tow Declines ... ***see pages 243-244.***

Third Quarter Inventories of Noncellulosic Yarn+Monofilaments and Staple+Tow are Falling ... ***see pages 243-244.***

Textile Organon *Feature:*

1985 Listing of Man-Made Fiber Producers ... ***begins on page 231.***

In October, shipments of noncellulosic yarn+monofilaments declined by 6.2% to 324.7 million pounds from the 346.2 million pounds shipped in September.

- Nylon industrial yarn shipments fell by 18.5%.
- Polyester textile yarn shipments decreased by 9.6%.

Noncellulosic staple+tow deliveries rose to the highest level of this year.

- Polyester staple+tow shipments advanced by 4.1%.
- Nylon staple+tow shipments increased by 2.6%.

Rayon staple+tow shipments recorded a significant increase of 13.1% in October, while shipments of cellulosic yarn rose by 5.7% during the same month.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT*

ITEM	1985 OCT	1985 SEP	%[a]	1984 OCT	%[b]	YEAR TO DATE 1985	YEAR TO DATE 1984	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN[e]	**17.6**	**17.5**	*+5.7*	**14.1**	*+24.8*	**174.5**	**172.5**	*+1.2*
NYLON[d] - INDUSTRIAL	25.6	31.4	*-18.5*	32.4	*-21.0*	288.2	311.0	*-7.3*
- LOW DENIER INDUSTRIAL	2.5	2.5	--	2.8	*-10.7*	23.6	28.9	*-18.3*
- CARPET	76.7	80.0	*-4.1*	69.7	*+10.0*	686.3	668.8	*+2.6*
- TEXTILE	27.9	29.1	*-4.1*	28.7	*-2.8*	272.0	298.7	*-8.9*
POLYESTER - INDUSTRIAL	25.1	23.8	*+5.5*	28.4	*-11.6*	243.5	265.7	*-8.4*
- LOW DENIER INDUSTRIAL	2.2	2.4	*-8.3*	1.9	*+15.8*	18.9	20.0	*-5.5*
- TEXTILE	87.0	96.2	*-9.6*	78.6	*+10.7*	840.1	714.5	*+17.6*
OLEFIN	77.7	80.8	*-3.8*	64.0	*+21.4*	791.7	595.4	*+33.0*
TOTAL NONCELLULOSIC ABOVE	**324.7**	**346.2**	*-6.2*	**306.5**	*+5.9*	**3164.3**	**2903.0**	*+9.0*
STAPLE+TOW+FIBERFILL								
RAYON	**33.6**	**29.7**	*+13.1*	**30.7**	*+9.4*	**298.3**	**327.4**	*-8.9*
NYLON[d]	75.6	73.7	*+2.6*	74.4	*+1.6*	693.6	703.9	*-1.5*
ACRYLIC+MODACRYLIC	58.7	57.5	*+2.1*	53.3	*+10.1*	550.4	566.3	*-2.8*
POLYESTER	180.8	173.6	*+4.1*	182.7	*-1.0*	1703.0	1818.1	*-6.3*
OLEFIN+VINYON	25.1	26.0	*+3.5*	22.2	*+13.1*	241.2	204.5	*+17.9*
TOTAL NONCELLULOSIC ABOVE	**340.2**	**330.8**	*+2.8*	**332.6**	*+2.3*	**3188.2**	**3292.8**	*-3.2*

-- Means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. Nylon excludes Aramid.

e. 1984 data Acetate only.

Also see footnotes on last page of this issue.

DATAGRAM

THIRD QUARTER PRODUCTION DECLINES

Third quarter 1985 production of noncellulosic yarn+monofilaments and staple+tow declined by 1½% from second quarter levels:

- *Yarn production increased by 1%.*
- *Staple production fell by 3½%.*

INVENTORIES ARE FALLING

Inventories of noncellulosic yarn+monofilament and staple+tow are declining for the third consecutive quarter of this year.

For example:

- *Third quarter 1985 inventories, for both yarn and staple, fell by 7.5% from second quarter 1985 levels, and 12.3% from first quarter 1985.*

MONSANTO QUITS THE APPAREL NYLON BUSINESS

Monsanto announced their withdrawal as a supplier of nylon yarns for apparel and hosiery. This involves nylon mid-denier feeder yarns for hosiery, outerwear and sportswear. Leaving the apparel market will affect 900 employees, mainly at the nylon facilities in Pensacola, Florida and Greenville, South Carolina. However, Monsanto continues to produce nylon for the industrial business and acrylic for the carpet business. The high level of imports is cited as one of the main reasons that led to the decision to stop production in the nylon markets. (DNR 10/28/85)

CELANESE FIBERS OPERATION CUTS WORKFORCE

Reduced demand for polyester fibers and yarns forces the Celanese Fibers Operation to cut approximately 10% of its workforce, or 216 people, at their plant in Salisbury, North Carolina. The plant produces heavy denier polyester filament yarn for industrial uses, and polyester staple fibers for the application in apparel, diapers, industrial sewing threads, pillows, sheeting and undergarments. Celanese said that the polyester staple fiber markets "have been impacted by a devastatingly high level of textile and apparel imports". The heavy denier industrial yarn sales "have been diminished by a combination of high customer inventories, weak tire replacement demand and an increasingly higher level of imported tires". (DNR 10/25/85)

BADISCHE TO END PRODUCTION OF ACRYLICS FOR CARPETS AND SLIVER KNITS

Badische Corporation is phasing out production of acrylic for carpets and sliver knits at their Williamsburg, Virginia facility. Increasing competition in those acrylic markets, especially complicated by imports of textile products, are blamed for this decision.

Involved are acrylic staple for carpets and fine denier producer colored staple for sliver knits, which are used in the production of fake furs.

Badische will continue to produce acrylic spun yarns for apparel and fine denier natural and producer colored staple for apparel and outdoor fabrics, such as sail rovers, awnings and casual furniture. The action will result in the closing of one of three fiber plants at the Williamsburg site. It will also effect the reduction of about 130 employees from an overall workforce of 625 at the location. (DNR 11/8/85)

Textile Organon

A MONTHLY REVIEW

NOVEMBER 1985

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

Copyright ©1985
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates (payable in U.S. dollars with order):

Item	**U.S.A.**	**Other**
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	25.00	35.00
Single Issues		
June	20.00	30.00
September	20.00	30.00
All Others	15.00	20.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

Contents

Feature

Directory of U.S. Man-Made Fiber Producers 231-238
- Notes & Definitions 231
- Cellulosic/Noncellulosic Producers 232-233
- Olefin Producers 234-236
- Textile Glass Producers 236
- Producing Plants Locations 238

Industry Regulars

- Total Man-Made Fiber Shipments 228

Datagram 230

Trade Barometer 239-246
- Graph 1: Imports Vs. Exports of Man-Made Fiber 239
- Graph 2: Man-Made Fiber Monthly Trade Balance 240
- Man-Made Fiber Monthly Trade Balance Detail 240

Monthly U.S. Man-Made Fiber Data 241-242, 245
- Imports for Consumption by Fiber 241
- Exports by Fiber 242
- Imports by Country of Origin 245

Quarterly Man-Made Fiber Data 243-244
- Yarn+Monofilaments 243
- Staple+Tow 244

Selected U.S. Textile Fiber Data 246-247
- Selected U.S. Textile Fiber Data Detail 246
- Graph 3: Selected U.S. Textile Fiber Data 247

1985 DIRECTORY OF U.S. MAN-MADE FIBER PRODUCERS

NOTES & DEFINITIONS

This directory of producers is divided into the following categories:

(1) Cellulosic plus Noncellulosic Fibers
(2) Olefin fiber
(3) Textile glass fiber.

The locality shown represents a plant site. Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

● Indicates a company producing olefin fiber as well as other man-made fiber(s). For example, Ametek produces olefin fiber (page 197) as well as nylon polyester and saran.

• Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1985 or later.

Yarn means filament yarn.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross section. Monofilaments for bristles are excluded.

Film includes **Slit**: tape produced by slitting an already attenuated wide sheet of olefin film; and **Split**: fibrillated slit film.

Not included in this survey is the slit film used for decorative or tying ribbon and such.

Rope includes braided and twisted rope as well as filler or core fiber.

Cordage is under 3/16" and includes typing and harvest (baler and binder) twine.

Industrial Goods means bags, bale wrap and protective covers, agricultural cloth, tarps and pool covers, etc.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The following are generic names, in **bold** type, and a brief description of the fibers covered by each name and are shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber. Textile glass fiber thus ***does not*** include the substantial poundages of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand: Continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.

Roving: Two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself to give the equivalent of two or more strands) and roving for making woven roving.

Mat: Mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (½" to 3" strands deposited in a random manner and resin bonded).

Chopped: Chopped yarn, strand or roving (¼" to 3-¾" length).

Milled: Hammer-milled yarn, strand or roving (1/32" to ¼" length).

Staple Yarn & Silver: A blown fiber, as noted, and means ribbons of generally parallel glass staple (3" to 15" random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate: Cellulose acetate. Cigarette filtration tow is excluded.

Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

Cupra: Cuprammonium rayon.

The viscose rayon yarns are identified as **ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.

Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Azlon: Regenerated natural protein.

Nylon: A long chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.

Aramid: A long chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.

Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran: At least 80% vinylidene chloride by weight.

Spandex: At least 85% of segmented polyurethane.

Vinyon: At least 85% vinyl chloride by weight.

Other man made fibers included in this survey, but not listed by the FTC, are Polycarbonate and **TFE**- & **FEP**-fluorocarbon.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nytril are no longer produced.

Carbon fibers are not included in this survey.

ALBANY INTERNATIONAL-MONOFILAMENT PLANT•

EXECUTIVE OFFICE: 156 S. Main Street, Homer, NY 13077

Fluoro	Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66, & 612	Homer (monofil)
Polyester	Homer (monofil-regular & hydrolysis-resistant)

ALLIED CORPORATION, CHEMICAL SECTOR, FIBERS DIVISION

EXECUTIVE OFFICE: 1411 Broadway, New York, NY 10018
REGIONAL SALES: 400 N. Tustin Ave., Santa Ana, CA 92705
1775 The Exchange, Suite 160, Atlanta, GA 30339
2100 Fiber Park Dr., Dalton, GA 30720
Friendship Center Office Park, Suite 108, Greensboro, NC 27409
64 South Miller Rd., Akron, OH 44313

Nylon 6	Columbia, SC & Hopewell, VA *A.C.E., Anso, Anso-Tex, Caprolan, Nypel* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470
REGIONAL SALES: One Penn Plaza, New York, NY 10119
P.O. Box 32787, Charlotte, NC 28232

Acrylic	Milton, FL *Creslan* (staple & tow)

AMERICAN ENKA COMPANY
A PART OF AKZO AMERICA, INC.

EXECUTIVE OFFICE: Enka, NC 28728
REGIONAL SALES: Enka, NC 28728
111 W. 40th St., New York, NY 10018
616 Green Valley Rd., Greensboro, NC 27404
2106 Fiber Park Drive, Dalton, GA 30720

Nylon 6	Enka, NC, Central, SC & Lowland, TN *Anti-Cling Crepeset, Crepeset, Enkalon, Enkalure, Enkasheer, Lurelon, Softalon, T.E.N.* (yarn & staple)
Polyester	Lowland, TN *Crepesoft, Encron, Encron 8, Golden Glow, Golden Touch, Matte Touch, Plyloc, Polyextra, Shanton, Silky Touch, Ultra-Touch* (yarn & staple)
Rayon	Lowland, TN *Absorbit, Enkaire, Enkrome, Fiber 700, IT* (staple)

AMERICAN HOECHST CORPORATION

EXECUTIVE OFFICE: 202-206 North, Somerville, NJ 08876

HOECHST FIBERS INDUSTRIES DIVISION

EXECUTIVE OFFICE: 1515 Broadway, New York, NY 10036
REGIONAL SALES: 5601-77 Center Drive, Suite 250, Charlotte, NC 28210
3711 Long Beach Blvd., Suite 801, Long Beach, CA 90807

Polyester	Spartanburg, SC *Trevira* (yarn, monofil, staple, & spunbonded)

AMETEK INC., SPECIAL FILAMENTS DIVISION•

EXECUTIVE OFFICE: Box 339, Odenton, MD 21113

Nylon 6, 66 612 & 11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (Monofil)

AVTEX FIBERS INC.•

EXECUTIVE OFFICE: 3 Lee Rd. (Chesterbrook), P.O. Box 880, Valley Forge, PA 19482
SALES OFFICE: 1185 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 1 Fairview Plaza, 5950 Fairview Rd., Suite 501, Charlotte, NC 28210

Polyester	Lewistown, PA *Avlin* (yarn)
Rayon	Front Royal, VA *Aviloc, Avril, Avril II, Avril III, Avril Prima, Fibers 40 & 43* (ind yarn & staple)

BADISCHE CORPORATION

EXECUTIVE OFFICE: Williamsburg, VA 23187
REGIONAL SALES: 5505 East Carson St., Lakewood, CA 90713
500 Holiday Avenue, The Badische Building, Dalton, GA 30720
111 West 40th St., New York, NY 10018

Acrylic	Williamsburg, VA *Zefran* (staple)
Nylon 6	Anderson, SC *Zeftron* (yarn & staple)

Badische Corp. has carpet yarn spinning plants at Allendale, SC and Sylvania, GA.

BERKLEY & CO. INC.•

EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION•

EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24203

Nylon 6	Bristol, VA *Camalon* (yarn)

CELANESE FIBERS
A DIVISION OF CELANESE CORPORATION
(Includes former Fiber Industries plants)

EXECUTIVE OFFICE: P.O. Box 32414, Charlotte, NC 28232
MARKETER: Celanese Fibers, 1211 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 110 E. 9th St., Room A 1229, Los Angeles, CA 90079
6000 Lake Forest Dr., Suite 300, Atlanta, GA 30328
P.O. Box 32414, Charlotte, NC 28232
2950 W. Market St., Akron, OH 44313

Acetate	Rock Hill, SC *(Celriver)* & Narrows, VA *(Celco)*Celanese (yarn, staple & tow)
Polyester	Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angelette, Ceylon, Comfort Fiber, ESP, Fortrel, Loftguard, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)
PBI	Rock Hill (staple)
Triacetate	Rock Hill *Arnel* (yarn, staple & tow)
Vinyon	Rock Hill (staple)

CORTLAND LINE COMPANY

EXECUTIVE OFFICE: 3736 Kellog Rd., Cortland, NY 13045

Nylon 6	Cortland, NY (monofil-captive)

COURTAULDS NORTH AMERICA INC.

EXECUTIVE OFFICE: 104 West 40th St., New York, NY 10018
REGIONAL SALES: P.O. Box 2648, Mobile, AL 36652

Rayon	Le Moyne, Mobile County, AL *Coloray, Courcel & Fibro* (staple+tow)
Nylon 6	Le Moyne *Courtaulds, Shareen,* (yarn & monofil)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)•
TEXTILE FIBERS DEPARTMENT•

EXECUTIVE OFFICE: Wilmington, DE 19898
REGIONAL SALES: 5500 Union Pacific Ave., City of Commerce, CA 90022
2 N. La Salle St., Suite 1905, Chicago, IL 60602
1251 Avenue of the Americas, New York, NY 10020
6250 Fairview Rd., Charlotte, NC 28234
2770 W. Market St., Akron, OH 44313
300 Franklin Bldg., Eastgate Center, Chattanooga, TN 37411

Acrylic	Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid	Richmond *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Nylon 66	Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten* (yarn, monofil, staple & tow)
Polyester	Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex	Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS DEPARTMENT
EXECUTIVE OFFICE: see listing above
Nylon 6, 66, 612 & Polyester   Parkersburg, WV   *Dacron, Dymetrol, Tynex & Vylor* (Monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY
EASTMAN CHEMICALS DIVISION
EXECUTIVE OFFICE: Kingsport, TN 37662
MARKETER: EASTMAN CHEMICAL PRODUCTS, INC.
P.O. Box 431, Kingsport, TN 37662
REGIONAL SALES: New York: 1133 Avenue of the Americas, New York, NY 10036
Acetate   Kingsport, TN   *Chromspun, Estron* (yarn)
Polyester   Kingsport, TN & Columbia, SC   *Kodel* (yarn & staple)

FIRESTONE FIBERS & TEXTILES COMPANY
DIVISION OF FIRESTONE TIRE & RUBBER COMPANY
EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052
Polyester   Hopewell, VA   (yarn)

FOSS MANUFACTURING COMPANY, INC.•
EXECUTIVE OFFICE: Ward Hill Industrial Park, Haverhill, MA 01830
PLANT OFFICE: Haverhill, MA 01830
Polyester   (staple-captive)

GLOBE MANUFACTURING CO.
EXECUTIVE OFFICE: 456 Bedford St., Fall River, MA 02720
Spandex   Fall River, MA & Gastonia, NC   *Cleerspan, DC-100, DC-700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY,
CHEMICAL DIVISION
EXECUTIVE OFFICE: Akron, OH 44316
Polyester   Scottsboro, AL & Point Pleasant, WV   (yarn-captive)

GUILFORD MILLS, GAINESVILLE DIVISION
EXECUTIVE OFFICE: 4925 West Market St., Greensboro, NC 27402
PLANT OFFICE: 455 Osborne St., S.E., Gainesville, GA 30501
Nylon 6   Gainesville, GA   (yarn & monofil-captive)

HANOVER MILLS, INCORPORATED
Subsidiary of Falk Fibers & Fabrics Inc.
EXECUTIVE OFFICE: 2120 Pinecroft Road, Greensboro, NC 27407
REGIONAL SALES: 1450 Broadway, New York, NY 10018
2120 Pinecroft Road, Greensboro, NC 27407
Nylon 6   Yanceyville, NC   *Hanover* (yarn & monofil)

JOHNSON FILAMENTS, INC.
Subsidiary of JWI Ltd.
EXECUTIVE OFFICE: Industrial Ave., Williston, VT 05495
Nylon 6/66   Williston, VT   (monofil)
Polyester   Williston   (monofil)

KAYSER-ROTH CORPORATION,
YARN PROCESSING DIVISION
EXECUTIVE OFFICE: 2303 W. Meadowview Rd., Greensboro, NC 27407
Nylon 66   Creedmoor, NC   (yarn-captive)

MONOFILAMENTS, INC.
EXECUTIVE OFFICE: 1401 Hopeman Pkwy., Waynesboro, VA 22980
Nylon 6/66   Waynesboro, VA   (monofil)
Polycarbonate   Waynesboro   (monofil)
Polyester   Waynesboro   (monofil)

*The company also produces fusible nylon (monofil) at its Waynesboro facility

MONSANTO COMPANY
EXECUTIVE OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63167

MONSANTO FIBERS & INTERMEDIATES COMPANY
REGIONAL SALES: 24012 Calle de la Plata, Suite 250, Laguna Hills, CA 92653
320 Interstate North Pkwy., Atlanta, GA 30339
Merchandise Mart, 222 North Bank Dr., Chicago, IL 60654
1460 Broadway, 11th Fl., New York, NY 10036
6230 Fairview Rd., Charlotte, NC 28210
260 Springside Dr., P.O. Box 5444, Akron, OH 44313
Acrylic   Decatur, AL   *Acrilan, Bi-Loft, Fi-Lana, Fondelle, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic   Decatur   *SEF* (staple & tow)
Nylon 66   Pensacola, FL & Greenwood, SC   *Ultron* (yarn, monofil & staple)

MONSANTO PLASTICS AND POLYMERS COMPANY
SALES OFFICE: 800 N. Lindbergh Blvd., St. Louis, MO 63167
Nylon 66   Pensacola   *AstroTurf* (recreational & landscaping surfaces)

NORTH AMERICAN RAYON CORPORATION
EXECUTIVE OFFICE: 1011 Schaub Drive, Raleigh, NC 27606
REGIONAL SALES: 500 Fifth Ave., New York, NY 10110
Rayon   Elizabethton, TN   (ind & reg yarn and tow)

OMEGA YARNS, INC.
Subsidiary of Tietex Corp.
EXECUTIVE OFFICE: Blackstock Rd., P.O. Box 6218, Spartanburg, SC 29304
SALES OFFICE: 183 Madison Ave., New York, NY 10017
Polyester   Asheboro, NC   (yarn)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION
SALES OFFICE: 6111 Shakespeare Rd., P.O. Box 4060, Columbia, SC 29240
Nylon 6/66 & 610   Columbia, SC   (monofil & monofil thread)
Polyester   Columbia, SC   (monofil & monofil thread)

STAR FIBERS, INC.
EXECUTIVE OFFICE: 136 Fuller Rd., Albany, NY 12205
REGIONAL SALES: Edgefield, SC 29824
Nylon 6   Edgefield, SC   *Starbrite* (staple)

SUNSHINE CORDAGE CORPORATION•
EXECUTIVE OFFICE: 7250-7270 N.W. 41st St., Miami, FL 33166
Nylon 6   Miami, FL   *Sunylon* (yarn)

TOLARAM FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 436, 525 Highway 522 North, Ansonville, NC 28007
Polyester   Ansonville, NC   (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION
Subsidiary of Falk Fibers & Fabrics Inc.
EXECUTIVE OFFICE: see **Hanover Mills.**
REGIONAL SALES: 1450 Broadway, New York, NY 10018
2120 Pinecroft Road, Greensboro, NC 27407
Polyester   Fuquay-Varina, NC   (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION
EXECUTIVE OFFICES: P.O. Box 188, Johnsonville, SC 29555
67 Walnut Ave., Suite 308, Clark, NJ 07066
REGIONAL SALES: 1200 East Morehead St., Charlotte, NC 28204
25 Braintree Hill Park, Suite 302, Braintree, MA 02184
Nylon 6   Johnsonville, SC   *Wellon* (staple)
Nylon 66   Johnsonville   *Wellon, Wellstrand* (staple, tow & tops)
Polyester   Johnsonville   *Fillwell, Wellene, Wellstrand* (staple & tow)

YKK ZIPPER CO.
Polyester   Macon, GA   (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC.
EXECUTIVE OFFICE: 71 Villanova St., Woonsocket, RI 02895
PLANT: Woonsocket, RI (P yarn)

ALADDIN CARPETS, INC.
EXECUTIVE OFFICE: P.O. Box 2208, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT
EXECUTIVE OFFICE: see listing on page 232
PLANT: Homer, NY (P monofil)

AMERICAN MANUFACTURING COMPANY
EXECUTIVE OFFICE: 200 South Park Rd., Lafayette, LA 70505
REGIONAL SALES: 22310 S. Bonita Street, Carson, CA 90801
5854 Hollis St., Emeryville, CA 94608
2214 W. 21st Street, P.O. Box 52134, Jacksonville, FL 32201
6002 North 51st St., Tampa, FL 33610
3312 Bloomingdale Ave., Melrose Park, IL 60160
6110 Bienvenue St., New Orleans, LA 70117
139 California St., Newton, MA 02158
1715 South 11th St., St. Louis, MO 63104
1350 Kress St., Houston, TX 77020
5050 First Avenue South, Seattle, WA 98134

LAFAYETTE ROPE DIVISION
PLANT: Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil & film)

AMERICAN POLYCRAFT
EXECUTIVE OFFICE: P.O. Box 3603, Dalton, GA 30721
PLANT: Dalton, GA (P film)

AMETEK INC., SPECIAL FILAMENTS DIVISION
EXECUTIVE OFFICE: see listing on page 232
PLANT: Odenton, MD (E & P monofil)

AMOCO FABRICS & FIBERS COMPANY
EXECUTIVE OFFICE: 900 Circle 75 Parkway, Suite 550, Atlanta, GA 30339
REGIONAL SALES: 15066 Shoemaker Ave., Santa Fe Springs, CA 90670
P.O. Box 911, Dalton, GA 30720
P.O. Box 3667, 604 Sheridan Avenue, Dalton, GA 30720
700 West 1st Street, Lowell, NC 28098
PLANTS: Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA, Lowell, NC and Afton, VA (P yarn, monofil, film & staple)

The company produces *PolyBac and Polybac FLW* primary carpet backing; *Action Bac* secondary carpet backing;*Amo Pave, Amo Weve and Propex* industrial goods; and *Marquêsa* Lana, Patlon, Patlon Plus and Synera yarn at these locations.

ARLIN MFG. CO., INC.
EXECUTIVE OFFICE: 239 Industrial Ave., Lowell, MA 01853
PLANT: Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC.
EXECUTIVE OFFICE: Lancaster, PA 17604
PLANT: Charlotte, NC (P film-captive)
The company weaves carpet backing.

AVTEX FIBERS, INC.
EXECUTIVE OFFICE: see listing on page 232
PLANT: Front Royal, VA (P staple).

BEAULIEAU OF AMERICA
EXECUTIVE OFFICE: 600 5th Avenue, Dalton GA 30720
PLANT: Dalton, GA (P yarn)

BEMIS COMPANY, INC.
EXECUTIVE OFFICE: 800 Northstar Center, Minneapolis, MN 55402
REGIONAL SALES: 2400 S. Second St., St. Louis, MO 63104
90 Park Ave., New York, NY 10016
PLANT: St. Louis, MO (P film)

BERKLEY & CO. INC.
EXECUTIVE OFFICE: see listing on page 232
PLANT: Spirit Lake, IA (E & P monofil-captive)

BLUE MOUNTAIN EXTRUSIONS
EXECUTIVE OFFICE: P.O. Box 100, Anniston, AL 36202
PLANT: Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramé,* Polylasting, TY-EZ Polytape, Tylon, Tytite (E & P film cordage and industrial yarn & tape)

BRIDON CORDAGE INC.
EXECUTIVE OFFICE: 909 16th St., Albert Lea, MN 56007
PLANT: Albert Lea, MN (P film cordage)

BURLINGTON, INC.
EXECUTIVE OFFICE: P.O. Box 21207, Greensboro, NC 27420
PLANT: Greensboro, NC (P yarn)

CAMAC CORPORATION
EXECUTIVE OFFICE: see listing on page 232
PLANT: Bristol, VA (P yarn)

CHASE BAG COMPANY
EXECUTIVE OFFICE: 2 Greenwich Plaza, Greenwich, CT 06830
PLANT: Portland, OR (P film industrial goods)

COLUMBIAN ROPE COMPANY
EXECUTIVE OFFICE: P.O. Box 270, Hwy. 45 North, Guntown, MS 38849
REGIONAL SALES: P.O. Box 270, Hwy. 45 North, Guntown, MS 38849
PLANT: Guntown, MS Polypro 6, (E & P monofil & film)

CONCORDE FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 200, Highway 45, Jamestown, SC 29453
PLANT: Jamestown, SC (P yarn)

CROWE ROPE COMPANY
EXECUTIVE OFFICE: Warren, ME 04864
PLANT: Warren, ME *Crowelon* (P film)

CROWN ZELLERBACH CORPORATION,
NONWOVEN FABRICS DIVISION
EXECUTIVE OFFICE: 1 Bush St., San Francisco, CA 94119
SALES HEADQUARTERS: 3720 Grant St., Washougal, WA 98671
PLANT: Washougal, WA *Celestra, Fibretex* (P spunbonded)

CUMBERLAND MILLS, INC.
EXECUTIVE OFFICE: 1010 N. Hamilton St., Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

CUTLASS CARPET
PLANT: Dalton, GA (P yarn)

DIAMOND MILLS, INC.
EXECUTIVE OFFICE: P.O. Box 46, Eton, GA 30724
PLANT: Eton, GA (P yarn & film)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)
TEXTILE FIBERS DEPARTMENT
EXECUTIVE OFFICE: see listing on page 232
PLANTS: Old Hickory, TN & Richmond, VA *Typar* (P spunbonded), *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC.
EXECUTIVE OFFICE: 521 Roosevelt Ave., Central Falls, RI 02862
PLANT: Central Falls, RI (P film)

ENSIGN-BICKFORD INDUSTRIES, INC.
FILM FIBERS DIVISION
EXECUTIVE OFFICE: 660 Hopmeadow St., Simsbury, CT 06070
PLANT: Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS,
INDUSTRIAL TEXTILES DIVISION
DIVISION HEADQUARTERS: 2550 West Fifth North St., Summerville, SC 29483-9699
MARKETING OFFICE: 380 Interstate North, Suite 375, Atlanta, GA 30339
PLANTS: Kingman, KS (P monofil & film cordage)
Summerville, SC (P monofil & film fabrics)
The company also weaves *Baxon* & *Fuzzbak* carpet backing and packaging fabrics at Summerville, SC.

FIBERS & FABRICS OF GEORGIA, INC.
Subsidiary of Georgia Synthetics, Inc.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P yarns, fibrillated, roll embossed filaments & ribbon yarn)

FIBERS SOUTH, INC.
EXECUTIVE OFFICES: P.O. Box 189, Trussville, AL 35173
PLANTS: Trussville, AL *Polystar, Trustite and Tyrite* (P film, monofil, tapes + staple)
Clearfield, UT Trustite and Tyrite (P film)

FIBRON CORPORATION OF TENNESSEE
Subsidiary of Harbour Group Ltd.
EXECUTIVE OFFICE: Clayton, MO
PLANT: Chattanooga, TN *Fibri-Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED
EXECUTIVE OFFICE: 999 Airport Road, Lakewood, NJ 08701
PLANT: Lakewood, NJ (P yarn)

FNT INDUSTRIES, INC.
EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858
PLANT: Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC.
EXECUTIVE OFFICE: see listing on page 233
(P staple-captive)

GENERAL FIBERS & FABRICS, INC.
EXECUTIVE OFFICE: Orchard Hill Rd., LaGrange Industrial Park, LaGrange, GA 30240
PLANT: LaGrange, GA (P film)
The company also weaves *Supertuft* carpet backing as well as bagging and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.
EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (P yarn, carpet backing)
Also see listing for **Fibers & Fabrics of Georgia, Inc.**

GLADDING CORDAGE CORPORATION
EXECUTIVE OFFICE: Gladding St., South Otselic, NY 13155
PLANT: South Otselic, NY (P monofil)

HERCULES INCORPORATED
HERCULES ENGINEERED & FABRICATED PRODUCTS COMPANY, FIBERS
EXECUTIVE OFFICE: Hercules Plaza, Wilmington, DE 19894
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Rd., Suite 301, Norcross, GA 30071
REGIONAL SALES: 280 Railroad Ave. Greenwich, CT 06830
PLANT: Oxford, GA *Herculon* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY
EXECUTIVE OFFICE: 677 Cincinnati Ave., Xenia, OH 45385
PLANT: Xenia, OH (P film cordage)

INTEGRATED PRODUCTS, INC.
EXECUTIVE OFFICE: P.O. Box 1791, Rome, GA 30161
PLANT: Rome, GA (P staple)

J & J INDUSTRIES
EXECUTIVE OFFICE: P.O. Box 1287, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

KELLER INDUSTRIES, INC.
EXECUTIVE OFFICE: 18000 State Rd. #9, North Miami, FL 33162
PLANT: Swainsboro, GA (P monofil - captive)
The company weaves outdoor furniture webs here.

KIMBERLY-CLARK CORPORATION
EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA 30076
PLANTS: Corinth, MS, Balfour, NC, La Grange, GA & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded), *Cyclean, Evolution III* (P spunbonded/meltblown laminate)

LAMBETH CORPORATION
EXECUTIVE OFFICE: 627 Tarkiln Hill Rd., New Bedford, MA 02745
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY
A Consolidated Foods Company
SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil-captive)

LORETEX
DIVISION OF OIVIND LORENTZEN, INC.
EXECUTIVE OFFICE: 522 Fifth Ave., New York, NY 10036
REGIONAL SALES: Northeastern Industrial Park, Guilderland Center, NY 12505
PLANT: Guilderland Center, NY (E film-captive)

MIRAFI INC.
Subsidiary of Dominion Textiles
EXECUTIVE OFFICE: P.O. Box 240967, Charlotte, NC 28224
PLANT: Moultrie, GA (P film-captive)

NSI, INC.
ADMINISTRATIVE OFFICE: Box 658, Soperton, GA 30457
PLANT: Soperton, GA (P film-captive)
The company weaves carpet backing here.

THE OSTERNECK COMPANY
EXECUTIVE OFFICE: P.O. Box 859, Lumberton, NC 28359
PLANT: Lumberton, NC (P film)
The company weaves carpet backing and industrial goods here.

PHILLIPS FIBERS CORPORATION
Subsidiary of Phillips Petroleum Company
EXECUTIVE OFFICE: P.O. Box 66, Interstate 85, Greenville, SC 29602
PLANTS: Rocky Mount, NC, Seneca, SC and Spartanburg, SC
Marvess (P yarn, staple & tow)
The company also manufactures *Duon, Petromat, Rufon* and *Supac* nonwoven fabrics at Seneca, SC.

POLYLOOM CORP OF AMERICA
EXECUTIVE OFFICE: 1615 N. Broadway, P.O. Box 289, Dayton, TN 37321
PLANT: Dayton, TN *Polyloom* (P split film)

SARLON INDUSTRIES, INC.
EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, FL (P monofil & film)

SHUFORD MILLS, INC.
EXECUTIVE OFFICE: Highland Ave. & 15th St., N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film, cordage and twine)

SOLUTION FIBERS INC.
EXECUTIVE OFFICE: P.O. Box 447, Lafayette, GA 30728
PLANT: Lafayette, GA (P yarn)

SOUTHERN WEAVING, INC.
PLANT: Greenville, SC (P yarn)

STEVENS LINEN
EXECUTIVE OFFICE: P.O. Box 220, Webster, MA 01570
PLANT: Webster, MA (P staple)

SUNSHINE CORDAGE CORPORATION
EXECUTIVE OFFICE: see listing on page 233
PLANT: Miami, FL (E & P monofil)

SYNTHETIC INDUSTRIES
EXECUTIVE OFFICE: 309 Lafayette Rd., Chickamauga, GA 30707
PLANTS: Chickamauga & Dalton, GA (P film & staple-captive)
The company weaves carpet backing and industrial fabrics.

TECHNOTRADE
PLANT: Dalton, GA (P yarn)

TUBBS CORDAGE COMPANY
EXECUTIVE OFFICE: 660 Bryant St., P.O. Box 7986,
San Francisco, CA 94120
REGIONAL SALES: P.O. Box 709, Orange, CA 92666
415 South Fidalgo St., Seattle, WA 98108
PLANT: Orange, CA *Loktite* (P monofil & film)

TWINE PRODUCTS CORPORATION
EXECUTIVE OFFICE: 201 Dufossat, P.O. Box 15285, New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY
EXECUTIVE OFFICE: 711 Hamilton Ave., Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.
EXECUTIVE OFFICE: P.O. Box 830, Granite Quarry, NC 28072
PLANT: Granite Quarry, NC (E & P monofil rope & cordage)

WALTRICH PLASTIC CORPORATION
EXECUTIVE OFFICE: P.O. Box D, Walthourville, GA 31333
PLANT: Walthourville, GA (P monofil)

WAYN-TEX INC.
EXECUTIVE SALES OFFICE: Box 648, Dalton, GA 30720
PLANT: Waynesboro, VA
The company weaves *Wayntuf* primary carpet backing. (captive)

WELLINGTON PURITAN MILLS (MONTAIR DIV.)
EXECUTIVE OFFICE: Nelson St., Pilot Mountain, NC 27041
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.
EXECUTIVE OFFICE: 52 Courtland St., Paterson, NJ 07503
PLANTS: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville.

The following companies are also producing a variety of textile products from olefin: **California Webbing** (P yarn); **Cirtex** (P film); **Continental** (P yarn); **Conwed Corp. Conwed Plastic Netting** (P embossed film for netting); **Dicey** (P film); **E.I. du Pont de Nemours & Company (Inc.)** (E & P embossed film for netting); **FFTI** (P yarn); **Hercules Incorporated, Polymers Division** *Delnet* (E embossed film for netting); **Nalle Inc.** (P embossed film for netting); **Riegel Products Corporation** *Polyweb* (P meltblown); and **The 3M Company** (P spunbonded).

TEXTILE GLASS FIBER

CERTAINTEED CORPORATION
FIBER GLASS REINFORCEMENTS DIVISION
EXECUTIVE OFFICE: P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: 1801 E. Parkcourt Pl., Bldg. D., Suite 104, Santa Ana, CA 92701
1300 S. Harbor City Blvd., Suite 11, Melbourne, FL 32901
854 Fairway Drive, Bensenville, IL 60106
533-A Mur Len Rd., Olathe, KS 66061
1276D Washington St., Weymouth, MA 02189
1450 Souter St., Troy, MI 48083-2986
2030 52nd St., Ashtabula, OH 44004
5555 Airport Hwy., Toledo, OH 43615
1400 Union Meeting Road, Blue Bell, PA 19422
West Oak Square Offices, 4009 Anderson Mill Rd., Spartanburg, SC 29301
4811 Lebanon Road, Hermitage, TN 37076
6326 Hart, Fort Worth, TX 76112
7414 N.E. Hazel Dell Ave., Suite 207, Vancouver, WA 98665
PLANT: Wichita Falls, TX (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC.
EXECUTIVE OFFICE: Homestead Place, Amsterdam, NY 12010
PLANT: Amsterdam, NY (roving & chopped)

GAF BUILDING MATERIALS DIVISION
EXECUTIVE OFFICE: 1361 Alps Road, Wayne, NJ 07670
PLANTS: Irwindale, CA *Chemglass* (chopped), Nashville, TN (chopped)

GFT (GLASS FIBER TECHNOLOGY)
EXECUTIVE OFFICE: P.O. Box 670, Chester, SC 29706
PLANT: Chester, SC (wet chop for shingles)

LUNDY TECHNICAL CENTER
EXECUTIVE OFFICE: Pompano Beach, FL 33064
PLANT: Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving & strand and nonwoven metallized glass mat)

MANVILLE CORPORATION,
FIBER GLASS DIVISION
EXECUTIVE OFFICE: P.O. Box 5108, Ken-Caryl Ranch, Denver, CO 80217
REGIONAL SALES: 7500 Dutch Rd., Waterville, OH 43566
PLANTS: Waterville, OH & Etowah, TN *Chop-Pak* (mat, chopped strand and staple yarn & sliver)

NICOFIBERS INC.
EXECUTIVE OFFICE: Ironpoint Rd., Shawnee, OH 43782
PLANT: Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

OMNI FIBERGLASS CORPORATION
DIVISION OF KOPPERS COMPANY
EXECUTIVE OFFICE: 15066 LaPalma, Chino, CA 91710
PLANT: Chino, CA (roving, chopped & milled)

OWENS-CORNING FIBERGLAS CORPORATION
EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659
REGIONAL SALES: 10816 Executive Center Drive, Suite 207, Little Rock, AR 72211
5933 Telegraph Road, Los Angeles, CA 90040
477 Forbes Blvd., S. San Francisco, CA 94080
2700 Augustine Dr., Suite 178, Santa Clara, CA 95054
4019 Woodcock Dr., Suite 109, Jacksonville, FL 32207
541 S. Rt. 441, Suite 3, Margate, FL 33068
4950 W. Kennedy Blvd., Suite 301, Tampa, FL 33609
6650 Powers Ferry Rd., Suite 200, Atlanta, GA 30339
2805-B Lincoln Ave., Evansville, IN 47714
2215 Sanders Rd., Northbrook, IL 60062
4410 Executive Blvd., Ft. Wayne, IN 46808
9000 Keystone Crossing, Suite 965, Indianapolis, IN 46240
Corporate Woods, 9300 W. 110th St., Bldg. 55-Suite 200, Overland Park, KS 66210
10401 Linn Station Rd., Suite 235, Louisville, KY 40223
25 Braintree Hill Park, Suite 305, Braintree, MA 02184
2075 W. Big Beaver Rd., Suite 500, Troy, MI 48084
One Appletree Square, Suite 1252, Bloomington, MN 55420
Bldg. 5601, 77 Center Dr., Suite 240, Charlotte, NC 28210
700 White Plains Rd., Scarsdale, NY 10583
5700 Pearl Rd., Suite 104, Cleveland, OH 44129
900 West Valley Rd., Suite 1101, Wayne, PA 19087
Brookside Office Park, #1 Harbison Way, Suite 208, Columbia SC 29210
Two Maryland Farms, Suite 236, Brentwood, TN 37027
224 Peters Road, Suite 110, Knoxville, TN 37923
12880 Hillcrest, Suite 100, Dallas, TX 75230
256 North Belt East, Suite 100, Houston, TX 77060
9601 McAllister, San Antonio, TX 78216
12301 N.E. 10th Place, Bellevue, WA 98005
Mayfair Bank Tower, Suite 150, 2300 N. Mayfair Rd., Milwaukee, WI 53226
PLANTS: Huntington, PA, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, woven roving, mat, chopped, & milled)

PPG INDUSTRIES, INC.
FIBER GLASS PRODUCTS
EXECUTIVE OFFICE: One PPG Place, Pittsburgh, PA 15272
REINFORCEMENT PRODUCTS:
REGIONAL SALES: 1800 E. McFadden Ave., Suite 250, Santa Ana, CA 92705
880 Johnson Ferry Rd., N.E., Suite 220, Atlanta, GA 30342
246 East Jarata Blvd., Suite 200, Lombard, IL 60148
2155 West Big Beaver Rd., P.O. Box 3510, Troy, MI 48084
AUTOMOTIVE SALES OFFICE: 2155 West Big Beaver Rd., P.O. Box 3510, Troy, MI 48084
AZDEL SALES OFFICE: 1241 Chicago Rd., Troy, MI 48084

TEXTILE PRODUCTS: 1601 East Garrison Blvd., Suite 210, Gastonia, NC 28054
2253 South Ave., Westfield, NJ 07090
PLANTS: Lexington & Shelby, NC *Azdel* (yarn, roving, mat, chopped strand, woven roving & rubber reinforcements)

SUPERIOR GLASS FIBERS, INC.
EXECUTIVE OFFICE: P.O. Box 89, Bremen, OH 43107
PLANT: Bremen, OH (mat)

★ 1985 BOUND VOLUME ★

As a special offer from the Textile Economics Bureau, orders are now being taken for the ***1985 Textile Organon Bound Volume***. Personalized copies are available at no extra charge. These hard cover bound volumes provide an inexpensive organized alternative for your libraries or data centers.

For more information or to place an order, please call us at (201) 228-1107 or write to:

TEXTILE ECONOMICS BUREAU
101 Eisenhower Parkway
Roseland, NJ 07068

TABLE 2: LOCATION OF U.S. MAN-MADE FIBER PRODUCT-PRODUCING PLANTS

STATES & AREA	CELLULOSIC	NONCELLULOSIC						TEXTILE GLASS	GRAND TOTAL
		ACRYLIC	NYLON	OLEFIN	POLYESTER	OTHER	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1			1		1
MASSACHUSETTS				3	1	1	5		5
RHODE ISLAND				2			2		2
VERMONT			1		1		2		2
TOTAL NEW ENGLAND			1	7	2	1	11		11
MID-ATLANTIC									
DELAWARE			1				1		1
MARYLAND			1	1	1	1	4		4
NEW JERSEY				2			2		2
NEW YORK			2	3	1	1	7	1	8
PENNSYLVANIA				1	1	1	3	1	4
TOTAL MID-ATLANTIC			4	7	3	3	17	2	19
PIEDMONT									
N. CAROLINA			3	9	9	1	22	2	24
S. CAROLINA	1	1	8	8	8	1	26	2	28
VIRGINIA	2	2	7	4	1	2	16		16
WEST VIRGINIA			1		1		2		2
TOTAL PIEDMONT	3	3	19	21	19	4	66	4	73
SOUTH									
ALABAMA	1	1	1	4	1		7		8
FLORIDA		1	2	2			5	1	5
GEORGIA			1	24	1		26		25
LOUISIANA				2			2		4
MISSISSIPPI				2			2		1
TENNESSEE	3		1	3	4		8	3	15
TEXAS				1			1	2	3
TOTAL SOUTH	4	2	5	38	6		51	6	61
MID-WEST & WEST									
CALIFORNIA				2			2	2	4
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
MISSOURI				1			1		1
OHIO				1			1	2	3
OREGON				1			1		1
UTAH				1			1		1
WASHINGTON				1			1		1
WISCONSIN				1			1		1
TOTAL MIDWEST & WEST			1	12			13	4	17
TOTAL NUMBER OF PLANTS	7	5	30	85	30	8	158	16	181
TOTAL NUMBER OF STATES	4	4	13	29	12	7	32	9	32

Cellulosic includes rayon, acetate & triacetate; Acryl means acrylic & modacrylic; Nylon includes aramid.
Other noncellulosic includes 1 fluorocarbon, 1 fluoropolymer, 1 polycarbonate, 1 saran, 3 spandex and 1 vinyon.

TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE

The U.S. man-made fiber balance of trade fell in September as the net-export balance of trade declined to 38.7 million pounds, down 29% from the 54.5 million pound export balance in August.

Rising imports and falling exports of man-made fiber resulted in the declining trade balance. Imports of fiber totaled 31.7 million pounds, up 7.1% from August's level of 29.6 million pounds. Exports of fiber in September amounted to 70.3 million pounds, a sharp decline of 16.4% from the 84.1 million pounds exported in August.

The September trade balance is almost 31% below that of September 1984. This month's exports are 12.8% below the level of last September, whereas imports have increased nearly 28% during the same period.

SEPTEMBER DETAIL

The net-export balance in noncellulosic staple+tow declined 27.6% in September to 16.3 million pounds, while the net-export balance in noncellulosic yarn+monofilaments fell almost 27% to 19.3 million pounds.

The balance of trade for cellulosic staple+tow deteriorated by 74.4% in September to 1.1 million pounds.

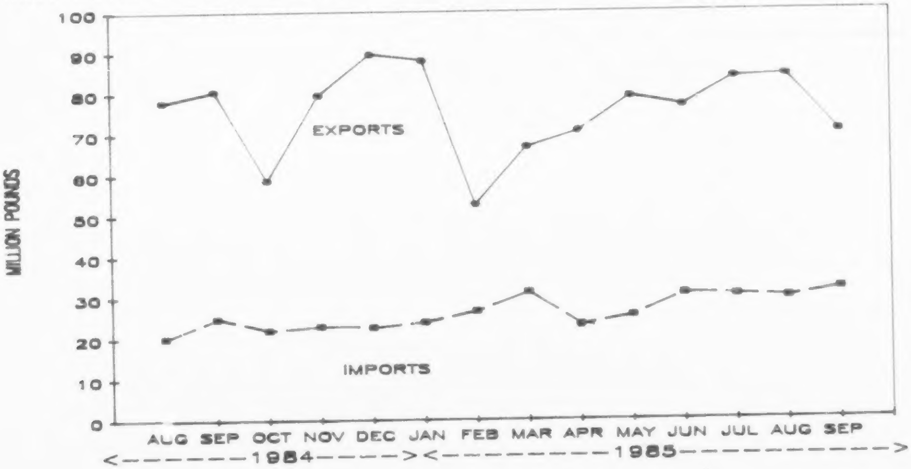
The balance of trade for noncellulosic staple+tow declined in September as exports fell by 13% and imports dropped by over 7%.

The noncellulosic yarn+monofilaments balance of trade weakened in September as imports rose by 21.5% and exports fell by 6.4%.

Key areas noteworthy in September:

- *Polyester Textured Yarn.* ***Imports*** *soared by 74%, while* ***exports*** *dropped by 25%.*
- *Nylon Textured Yarn.* ***Imports*** *rose by 14% and* ***exports*** *fell almost 18%.*
- *Polyester Staple.* ***Imports*** *increased by 34%, whereas* ***exports*** *declined by 24%.*
- *Noncellulosic Staple+tow.* ***Exports*** *declined significantly by 73%.*
- *Noncellulosic Fiber.* ***Imports*** *rose by 31%.*

GRAPH 1:
IMPORTS VS EXPORTS OF MAN-MADE FIBER



GRAPH 2:
MAN—MADE FIBER MONTHLY TRADE BALANCE

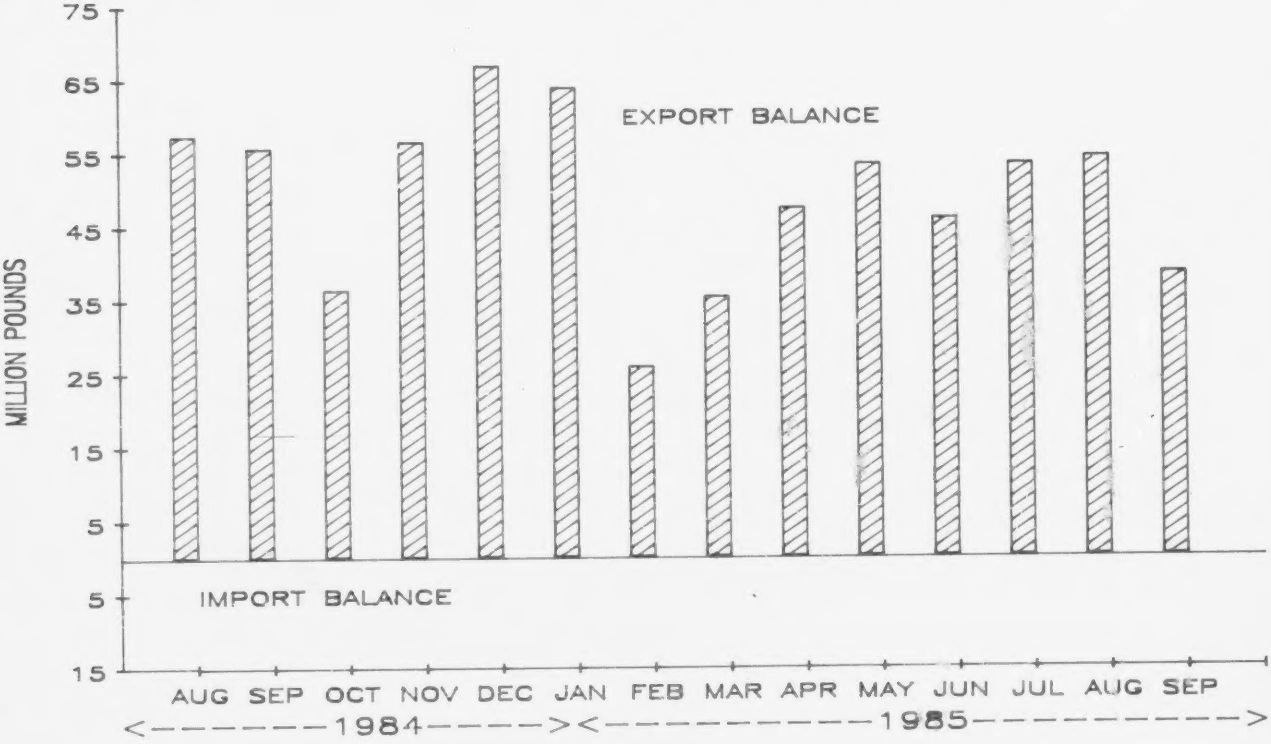


TABLE 3:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL
MILLION POUNDS

COMMODITY	1984					1985								
	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
CELLULOSIC YARN+MONOFILAMENTS	1.1 I	0.1 I	0.1 E	0.1 I	1.2 I	0.3 I	0.7 I	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I
CELLULOSIC STAPLE+TOW	2.9 E	1.7 E	1.9 E	1.1 E	3.1 E	1.6 E	0.8 E	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E
NONCELLULOSIC YARN+MONOFILAMENTS	14.8 E	19.1 E	10.6 E	14.7 E	19.6 E	14.5 E	12.2 E	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E
NONCELLULOSIC STAPLE+TOW	37.4 E	31.0 E	22.1 E	38.7 E	40.4 E	45.0 E	16.6 E	23.4 E	24.9 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E
CELLULOSIC WASTE	0.1 I	0.2 E	0.1 I	0.2 E	0.1 E	+	+	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E
NONCELLULOSIC WASTE	3.5 E	4.0 E	2.0 E	2.1 E	5.0 E	3.2 E	2.8 I	0.7 I	+	2.2 E	2.9 E	3.7 E	4.9 E	3.0 E
TOTAL	57.6 E	55.9 E	36.6 E	56.7 E	67.0 E	64.0 E	26.1 E	35.6 E	47.6 E	53.6 E	46.2 E	53.6 E	54.5 E	38.7 E

I means net-import balance.
E means net-export balance.

TABLE 4:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	0	0	38	41	0	0	0	37	16				132	1429
OTHER	310.0130 & .0230[a]	1105	751	697	726	748	1547	723	1164	1622				9083	6260
MONOFILAMENTS	309.0310 & .0610	0	17	1	0	0	0	0	0	1				19	5
STRIPS, $1/LB & UNDER	309.2000•	5	36	4	79	42	79	160	101	66				572	159
SUBTOTAL ABOVE		**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**				**9806**	**7853**
STAPLE	309.4320 & .4325	1319	1255	1255	1186	610	408	745	877	761				8416	11483
GROUPED FILAMENTS	309.3010 & .3110	62	163	58	122	106	29	77	193	44				854	1170
SUBTOTAL ABOVE		**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**805**				**9270**	**12653**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510[b]	**96**	**73**	**0**	**41**	**0**	**0**	**78**	**0**	**0**				**288**	**358**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0109 & .0209	2115	1670	2496	1646	992	4129	3940	3733	4263				24984	13388
- POLYESTER	310.0110 & .0210	654	758	2492	1531	1834	1670	1394	1065	1848				13246	8326
- OTHER	310.0114 & .0214	1157	1238	1081	816	1002	1263	1265	1031	1018				9871	6537
OTHER - NYLON	310.0149 & .0249	2037	1819	1450	2132	1950	1961	1783	1219	727				15078	22315
- POLYESTER	310.0150 & .0250	1336	1326	2183	838	1483	1291	1017	1263	2112				12849	13288
- OTHER	310.0170 & .0270[c]	179	243	140	182	281	108	136	75	107				1451	2045
MONOFILAMENTS	309.0200 & .0330[d]	240	133	190	238	118	196	204	103	241				1663	2488
STRIPS, OVER $1/LB	309.2100 & .2500•	52	118	59	112	72	142	111	111	133				910	808
SUBTOTAL ABOVE		**7770**	**7305**	**10091**	**7495**	**7732**	**10760**	**9859**	**8600**	**10449**				**80052**	**69195**
STAPLE - NYLON	309.4338	2329	1897	4525	2186	2030	3786	4667	5085	2733				29238	27778
- POLYESTER	309.4342	1623	2018	1854	2551	2736	2382	2233	2149	2880				20426	18544
- ACRYLIC	309.4345	1392	967	1073	1089	1102	1385	1483	2073	2388				12952	10974
- OLEFIN	309.4346	38	169	270	355	583	796	472	841	737				4261	1673
- OTHER	309.4355	1838	1645	2997	894	2464	2233	1949	2155	2570				18745	12475
GROUPED FILAMENTS															
NYLON	309.3030 & .3130[l]	1742	3045	1957	2013	3112	2351	3233	2381	1865				21699	17661
POLYESTER	309.3040 & .3140[m]	372	335	188	270	160	668	921	464	519				3897	5705
ACRYLIC	309.3050 & .3150[n]	440	832	273	916	935	761	530	500	867				6054	5342
OTHER	309.3065 & .3165[o]	70	152	104	293	83	266	195	241	166				1570	1381
SUBTOTAL ABOVE		**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**				**118842**	**101533**
WASTE, NOT ADVANCED															
- NYLON	309.6625	3094	4321	3549	1975	1905	1757	1943	1888	2742				23174	25473
- POLYESTER	309.6630	445	950	1386	435	474	1001	391	259	414				5755	6228
- ACRYLIC	309.6645	+	0	10	20	58	0	0	53	61				202	38
- OTHER	309.6660	12	197	169	37	37	291	126	328	323				1520	3213
NOILS & GARNETTED FIBERS	309.6000 & .7000•	0	0	62	31	0	0	0	31	0				124	302
OTHER WASTE, ADVANCED	309.7525 - .7555	44	368	498	334	431	52	408	176	450				2761	2600
SUBTOTAL ABOVE		**3595**	**5836**	**5674**	**2832**	**2905**	**3101**	**2868**	**2735**	**3990**				**33536**	**37854**
TOTAL MAN-MADE ABOVE		**23796**	**26496**	**31059**	**23089**	**25348**	**30552**	**30184**	**29596**	**31674**				**251794**	**229446**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	0	+	1	0	0	0	0	0				1	+
- NONCELLULOSIC	310.1015• & .1109[f]	1106	665	740	248	365	747	1052	910	1203				7036	9466
OTHER - CELLULOSIC	310.1030 & .1135[g]	48	18	17	6	27	130	17	68	+				331	142
- NONCELLULOSIC	310.1050 & .1070[h]	346	503	337	392	894	480	340	404	116				3812	2127
SPUN YARN - CELLULOSIC	310.4005 & .4030[i]	83	143	119	110	168	143	160	150	253				1329	1268
- OTHER	310.4015 & .4027[j]	2643	1623	2810	2749	4479	3393	2901	2315	4283				27196	29488
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	682	296	626	250	1126	1143	668	832	1096				6719	6127
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[p]	451	462	739	833	851	780	742	674	995				6527	4176
SLIVER, TOPS & ROVING	309.9000	205	241	410	131	227	165	149	44	111				1683	4034
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2454	1496	3565	3438	2160	3771	2589	2727	3063				25263	18707
GRAND TOTAL ABOVE		**31814**	**31943**	**40422**	**31247**	**35645**	**41304**	**38802**	**37720**	**42794**				**331691**	**304981**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

• These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 309.6615.

[c] Also includes 310.0530, .0550, .0630 & .0650.

[d] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[e] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[f] Also includes 310.1110 & .1114.

[g] Also includes 310.2010 & .2110.

[h] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[i] Also includes 310.5005 & .5030.

[j] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[k] Chiefly roving. Also includes 309.9800 & .9900.

[l] Also includes 309.3200.

[m] Also includes 309.3340.

[n] Also includes 309.3350.

[o] Also includes 309.3365.

[p] Also includes 310.9300 & .9500.

TABLE 5:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR-TO-DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	4	30	4	2	7	2	15	+				64	123
OTHER[b]	310.0026	811	117	971	765	697	816	841	873	535				6426	7699
MONOFILAMENTS	309.0110	0	0	0	60	4	0	0	9	0				73	12
STRIPS	309.2210	0	7	0	0	0	0	0	0	30				37	58
SUBTOTAL ABOVE		**811**	**128**	**1001**	**829**	**703**	**823**	**843**	**897**	**565**				**6600**	**7892**
STAPLE+TOW-RAYON	309.4222	2925	2042	3375	4870	2144	4517	1486	5258	1713				28330	43746
STAPLE-ACETATE	309.4219	12	133	140	133	70	295	203	102	166				1254	1786
SUBTOTAL ABOVE		**2937**	**2175**	**3515**	**5003**	**2214**	**4812**	**1689**	**5360**	**1879**				**29584**	**45532**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**72**	**119**	**161**	**113**	**137**	**141**	**94**	**48**	**114**				**999**	**1316**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & 0009	2478	2450	2480	2073	1961	1467	2065	3201	2640				20815	24736
- HIGH TENACITY[c]	310.0027	4921	6044	6255	5527	7101	4516	4898	5777	7480				52519	49550
- OTHER	310.0029	883	1002	954	824	610	600	584	657	842				6956	10186
POLYESTER-TEXTURED	310.0010	7465	5968	5803	13481	10315	16481	15935	13323	9756				98527	60794
- HIGH TENACITY[c]	310.0032	865	795	641	946	4285	4748	3641	4365	4330				24616	6634
- OTHER	310.0034[d]	2458	102	422	295	1114	759	382	781	822				7135	3686
OTHER - TEXTURED	310.0014	264	588	1152	258	509	636	1154	1024	1365				6950	5469
- OLEFIN	309.0040	52	5	61	18	47	67	49	63	28				390	272
- OTHER	310.0044	557	572	607	711	655	1741	810	394	358				6405	4110
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	231	195	189	136	288	237	135	176	205				1792	1888
POLYESTER[e]	309.0140	667	434	470	472	533	501	403	720	440				4640	2385
OTHER	309.0170	1060	996	908	1335	894	706	422	1132	1123				8576	7502
STRIPS	309.2220 & 2270	427	339	346	316	296	646	335	168	290				3163	3531
SUBTOTAL ABOVE		**22328**	**19490**	**20288**	**26392**	**28608**	**33105**	**30813**	**31781**	**29679**				**242484**	**180743**
STAPLE - NYLON	309.4240	1180	471	783	1269	491	992	795	1322	969				8272	11123
- POLYESTER	309.4242	23227	9880	18988	16125	22416	18365	17503	15824	11994				154322	99328
- ACRYLIC	309.4245	21821	12541	11117	11634	10587	5923	17806	13538	11970				116937	120275
- OLEFIN	309.4246	1039	261	620	442	750	791	137	576	972				5588	2805
- OTHER	309.4247	755	875	890	775	1217	944	821	1162	550				7989	6762
GROUPED FILAMENTS															
NYLON	309.3220	211	95	51	142	24	390	142	295	114				1464	2304
POLYESTER[d]	309.3240	3251	1302	2292	2519	3107	2775	3484	3062	2209				24001	18498
ACRYLIC	309.3250 & 3255	3372	2291	1957	2543	3648	1600	2974	2563	2293				23241	26510
SUBTOTAL ABOVE		**54856**	**27716**	**36698**	**35449**	**42240**	**31780**	**43662**	**38342**	**31071**				**341814**	**287605**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	303	196	237	297	345	159	200	743	1393				3873	9318
- POLYESTER	309.7630	4721	2235	3165	1606	3530	4091	4135	4105	3611				31199	45911
- ACRYLIC	309.7640	419	214	716	111	176	391	298	810	169				3304	3117
- OTHER	309.7660	1405	342	873	803	1012	1380	1907	2020	1852				11594	11760
SUBTOTAL ABOVE		**6848**	**2987**	**4991**	**2817**	**5063**	**6021**	**6540**	**7678**	**7025**				**49970**	**70106**
TOTAL MAN-MADE FIBER ABOVE		**87852**	**52615**	**66854**	**70603**	**78965**	**76682**	**83641**	**84106**	**70333**				**671451**	**593194**
TEXTILE GLASS FIBER	309.2700 & 9700	7000	3868	7463	5183	5044	5110	4786	4232	4100				46786	41068
GRAND TOTAL ABOVE		**94852**	**56483**	**74117**	**75786**	**84009**	**81792**	**88427**	**88338**	**74433**				**718237**	**634262**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 6:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
CELLULOSIC YARN[f]															
PRODUCTION	55.2	56.0	50.0	37.0	198.2	52.8	54.6	48.4							
SHIPMENTS - DOMESTIC	48.7	51.9	43.4	36.1	180.1	44.4	48.0	46.6							
- EXPORT	5.8	4.2	4.4	3.8	18.2	7.3	6.1	4.6							
TOTAL SHIPMENTS	54.5	56.1	47.8	39.9	198.3	51.7	54.1	51.2							
ENDING STOCK	13.2	13.1	15.3	12.4	17.8	18.9	19.4	16.6							
NYLON															
PRODUCTION	400.9	407.9	383.3	385.2	1577.3	370.8	360.3	386.7							
SHIPMENTS - DOMESTIC	365.1	370.7	348.9	353.4	1438.1	323.7	353.0	368.9							
- EXPORT	29.9	30.1	29.1	30.2	119.3	33.5	25.0	33.3							
TOTAL SHIPMENTS	395.0	400.8	378.0	383.6	1557.4	357.2	378.0	402.2							
ENDING STOCK	126.7	133.8	139.1	140.7		154.3	136.6	121.1							
OLEFIN[b]															
PRODUCTION	176.0	184.5	171.5	213.1	747.1	231.6	251.1	231.1							
SHIPMENTS - DOMESTIC	169.3	180.2	169.6	206.5	725.6	223.6	246.0	233.4							
- EXPORT	4.3	3.8	4.2	4.2	16.5	3.6	3.8	3.6							
TOTAL SHIPMENTS	173.6	184.0	173.8	210.7	742.1	227.2	249.8	237.0							
ENDING STOCK	60.9	61.4	59.1	61.5		65.9	67.2	61.3							
POLYESTER															
PRODUCTION	318.6	297.5	279.8	303.9	1200.0	316.2	340.8	345.9							
SHIPMENTS - DOMESTIC	291.9	286.1	276.9	293.0	1149.8	290.1	311.6	309.2							
- EXPORT	14.1	12.4	9.9	16.8	53.2	17.7	30.6	29.0							
TOTAL SHIPMENTS	306.0	298.5	286.8	306.8	1198.1	307.8	342.2	338.2							
ENDING STOCK	110.4	109.4	102.4	99.5		107.9	106.5	114.2							
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	897.7	889.9	834.6	902.2	3524.4	918.6	952.2	963.7							
SHIPMENTS DOMESTIC	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	911.5							
- EXPORT	48.3	46.3	43.2	51.2	189.0	54.8	59.4	65.9							
TOTAL SHIPMENTS	874.6	883.3	838.6	901.1	3497.6	892.2	970.0	977.4							
ENDING STOCK	298.0	304.6	300.6	301.7		328.1	310.3	296.6							
DOMESTIC SHIPMENTS	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	911.5							
IMPORTS - TEXTURED YARN[c]	12.4	13.3	12.0	12.3	50.0	16.2	16.2	22.7							
- OTHER YARN[c]	12.9	13.2	13.9	11.1	51.1	11.9	12.0	9.3							
- MONOFILAMENTS	1.0	0.7	0.8	0.4	2.9	0.6	0.6	0.5							
TOTAL IMPORTS	26.3	27.2	26.7	23.8	104.0	28.7	28.8	32.5							
TOTAL AVAILABLE	852.6	864.2	822.1	873.7	3412.6	866.1	939.4	944.0							
						TEXTILE GLASS FIBER									
PRODUCTION	333.3	337.0	342.9	380.8	1394.0	NA	NA	NA							
SHIPMENTS - DOMESTIC	305.1	340.8	311.0	293.8	1250.7	300.6	NA	NA							
- EXPORT	11.7	14.8	14.9	16.6	58.0	17.3	NA	NA							
TOTAL SHIPMENTS	316.8	355.6	325.9	310.4	1308.7	317.9	325.6	318.8							
ENDING STOCK	141.2	122.6	139.6	210.0		NA	NA	NA							
IMPORTS	7.8	5.7	5.4	4.2	23.1	7.5	9.4	8.4							
TOTAL AVAILABLE	312.9	346.5	316.4	298.0	1273.8	308.1	NA	NA							

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 42 & 43 of the March 1985 issue for further details on these yarns.

b. Also include film fiber as well as spunbonded polypropylene.

c. Include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 42 & 43 of the March 1985 issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

f. 1984 data - Acetate Yarn only.

TABLE 7:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
							STAPLE+TOW^d								
RAYON															
PRODUCTION	**104.0**	**103.7**	**94.0**	**87.5**	**389.2**	**85.6**	**85.8**	**87.2**							
SHIPMENTS - DOMESTIC	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9							
- EXPORT	11.3	20.3	10.3	10.2	52.1	7.9	13.5	10.0							
TOTAL SHIPMENTS	**102.0**	**102.8**	**91.9**	**87.3**	**384.0**	**81.7**	**90.1**	**92.9**							
ENDING STOCK	**25.3**	**26.2**	**28.3**	**28.5**		**32.4**	**28.1**	**22.4**							
DOMESTIC SHIPMENTS	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9							
IMPORTS FOR CONSUMPTION															
STAPLE	4.4	3.2	3.9	3.9	15.4	3.8	2.2	2.4							
GROUPED FILAMENTS	0.4	0.3	0.5	0.4	1.6	0.3	0.3	0.3							
TOTAL IMPORTS	4.8	3.5	4.4	4.3	17.0	4.1	2.5	2.7							
TOTAL AVAILABLE	**95.5**	**86.0**	**86.0**	**81.4**	**348.9**	**77.9**	**79.1**	**85.6**							
NYLON															
PRODUCTION	**220.9**	**216.6**	**193.0**	**204.3**	**834.8**	**191.6**	**200.8**	**215.6**							
SHIPMENTS - DOMESTIC	211.1	210.6	194.5	198.2	814.4	192.8	202.7	212.9							
- EXPORT	5.6	3.1	4.6	3.6	16.9	3.3	3.1	3.2							
TOTAL SHIPMENTS	**216.7**	**213.7**	**199.1**	**201.8**	**831.3**	**196.1**	**205.8**	**216.1**							
ENDING STOCK	**79.3**	**82.2**	**76.1**	**78.6**		**74.1**	**69.1**	**68.6**							
IMPORTS	7.9	7.8	12.1	10.5	38.3	8.7	8.0	12.5							
TOTAL AVAILABLE	**219.0**	**218.4**	**206.6**	**208.7**	**852.7**	**201.5**	**210.7**	**225.4**							
ACRYLIC+MODACRYLIC															
PRODUCTION	**171.7**	**174.9**	**164.7**	**159.5**	**670.8**	**163.0**	**158.5**	**152.1**							
SHIPMENTS - DOMESTIC	120.6	124.2	107.7	94.2	446.7	105.3	119.7	118.6							
- EXPORT	48.5	51.3	60.7	59.0	219.5	59.0	42.4	46.7							
TOTAL SHIPMENTS	**169.1**	**175.5**	**168.4**	**153.2**	**666.2**	**164.3**	**162.1**	**165.3**							
ENDING STOCK	**75.4**	**74.8**	**71.1**	**77.4**		**76.1**	**72.5**	**59.3**							
IMPORTS	3.3	3.8	3.9	2.5	13.5	3.4	3.6	5.9							
TOTAL AVAILABLE	**123.9**	**128.0**	**111.6**	**96.7**	**460.2**	**108.7**	**123.3**	**124.5**							
OLEFIN+VINYON															
PRODUCTION	**57.3**	**61.8**	**64.4**	**66.4**	**249.9**	**69.1**	**72.7**	**75.1**							
SHIPMENTS - DOMESTIC	53.7	61.0	62.7	63.5	240.9	67.2	71.9	70.8							
- EXPORT	3.8	0.6	0.5	0.9	5.8	1.0	2.0	3.2							
TOTAL SHIPMENTS	**57.5**	**61.6**	**63.2**	**64.4**	**246.7**	**68.2**	**73.9**	**74.0**							
ENDING STOCK	**19.8**	**20.0**	**21.2**	**23.2**		**24.1**	**22.9**	**24.0**							
POLYESTER															
PRODUCTION	**561.6**	**573.5**	**531.4**	**525.3**	**2191.8**	**520.7**	**512.2**	**468.9**							
SHIPMENTS - DOMESTIC	514.2	527.7	481.3	469.0	1992.2	456.3	460.2	462.4							
- EXPORT	32.8	34.6	44.8	88.0	200.2	51.0	63.2	29.1							
TOTAL SHIPMENTS	**547.0**	**562.3**	**526.1**	**557.0**	**2192.4**	**507.3**	**523.4**	**491.5**							
ENDING STOCK	**186.7**	**199.9**	**205.2**	**173.5**		**186.9**	**175.7**	**153.1**							
IMPORTS	7.8	5.5	5.2	4.4	22.9	5.5	7.7	7.3							
TOTAL AVAILABLE	**522.0**	**533.2**	**486.5**	**473.4**	**2015.1**	**461.8**	**467.9**	**469.7**							
TOTAL NONCELLULOSIC															
PRODUCTION	**1011.5**	**1026.8**	**953.5**	**955.5**	**3947.3**	**944.4**	**944.2**	**911.7**							
SHIPMENTS - DOMESTIC	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7							
- EXPORT	90.7	89.6	110.6	151.5	442.4	114.3	110.7	82.2							
TOTAL SHIPMENTS	**990.3**	**1013.1**	**956.8**	**976.4**	**3936.6**	**935.9**	**965.2**	**946.9**							
ENDING STOCK	**363.2**	**376.9**	**373.6**	**352.7**		**361.2**	**340.2**	**305.0**							
DOMESTIC SHIPMENTS	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7							
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE^e	19.0	17.1	21.2	17.4	74.7	17.6	19.3	25.7							
OTHER N.C. STAPLE	4.6	4.2	5.3	3.5	17.6	7.1	7.3	8.7							
GROUPED FILAMENTS	11.0	9.5	9.6	8.7	38.8	9.5	11.8	11.9							
TOTAL IMPORTS	34.6	30.8	36.1	29.6	131.1	34.2	38.4	46.3							
TOTAL AVAILABLE	**934.2**	**954.3**	**882.3**	**854.5**	**3625.3**	**855.8**	**893.9**	**911.0**							

See footnotes on opposite page.

TABLE 8:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1985												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1985	1984
CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	120	131	140	185	199	256	138	293	284				1746	1912
MEXICO	33	40	36	138	64	183	122	81	222				919	571
FRANCE	27	0	0	30	0	0	0	0	30				87	357
GERMANY, FED. REP. OF	686	424	358	169	382	645	360	547	729				4300	3598
NETHERLANDS	77	76	84	145	36	209	101	128	130				986	455
JAPAN	96	73	10	66	9	58	0	85	83				480	500
REP. OF KOREA	0	0	0	22	9	130	0	80	120				361	190
ALL OTHER COUNTRIES[a]	71	60	112	91	91	145	162	88	107				927	270
TOTAL CELL. YARN	**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**				**9806**	**7853**
CELLULOSIC STAPLE+TOW														
CANADA	788	662	561	548	522	348	556	545	649				5179	6250
AUSTRIA	62	88	19	20	0	20	0	153	0				362	1630
SWEDEN	314	368	271	595	1	0	189	90	0				1828	2711
UNITED KINGDOM	162	268	180	53	52	62	47	144	81				1049	776
JAPAN	20	32	59	92	91	5	29	100	68				496	1122
ALL OTHER COUNTRIES[b]	35	0	223	0	50	2	1	38	7				356	164
TOTAL CELL. STAPLE+TOW	**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**805**				**9270**	**12653**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	962	716	939	1085	1038	1507	1924	2334	1160				11665	14152
COSTA RICA	0	0	30	0	7	31	1	14	168				251	294
MEXICO	624	588	923	566	435	1099	766	687	471				6159	11634
AUSTRIA	83	109	89	126	43	44	31	54	35				614	277
BELGIUM	205	454	949	519	540	1084	642	404	747				5544	64
FRANCE	682	441	320	314	104	471	375	546	519				3772	1738
GERMANY, FED. REP. OF	1676	1879	2645	1170	1639	1308	1368	739	1392				13816	13386
ITALY	1528	911	925	258	529	2020	1581	1391	1027				10170	4499
NETHERLANDS	93	1	37	54	98	79	136	53	91				642	563
SPAIN	1	0	+	0	2	1	0	2	+				6	323
SWITZERLAND	35	26	32	14	32	26	10	126	548				849	412
UNITED KINGDOM	591	612	807	575	638	629	517	330	246				4945	3524
ISRAEL	78	274	98	182	286	278	142	232	363				1933	1263
JAPAN	584	793	473	875	724	462	475	332	277				4995	12236
REP. OF KOREA	3	1	1	4	1	0	1	0	20				31	292
TAIWAN	9	1	21	19	33	38	30	7	59				217	527
ROMANIA	88	0	0	0	22	0	0	0	44				154	551
SOUTH AFRICA	286	209	1618	986	1189	1260	902	966	1889				9305	2773
ALL OTHER COUNTRIES[c]	242	290	184	748	372	423	949	383	1393				4984	687
TOTAL N.C. YARN	**7770**	**7305**	**10091**	**7495**	**7732**	**10760**	**9850**	**8600**	**10449**				**80052**	**69195**
NONCELLULOSIC STAPLE+TOW														
BRAZIL	278	415	935	0	670	536	55	264	72				3225	817
CANADA	1640	2153	1296	2287	2591	2214	2085	2626	2439				19331	10140
COSTA RICA	86	330	187	260	144	189	400	221	329				2146	2074
MEXICO	1111	433	772	345	420	953	623	587	970				6214	14599
BELGIUM	127	85	12	67	18	20	18	57	59				463	421
FRANCE	920	1032	923	621	392	656	1177	1041	616				7378	3485
GERMANY, FED. REP. OF	1656	1970	1670	1456	2367	2402	3090	2897	2683				20191	23707
ITALY	527	411	2448	481	506	1639	2162	2475	1313				11962	10283
NETHERLANDS	74	27	67	29	32	3	40	33	27				332	574
SWITZERLAND	18	146	11	71	19	40	22	14	21				362	353
UNITED KINGDOM	740	1287	879	847	1619	1387	1380	1133	778				10050	10869
ISRAEL	0	1	55	77	127	262	95	150	65				832	161
JAPAN	1154	1247	1567	1982	2289	2345	1693	2628	2682				17587	11419
REP. OF KOREA	37	170	165	928	475	346	317	345	579				3362	352
TAIWAN	1301	1033	2115	865	1290	1354	2199	1313	1661				13131	9465
ROMANIA	83	88	95	36	29	99	136	29	201				796	1522
SOUTH AFRICA	49	131	0	25	57	24	27	28	83				424	451
ALL OTHER COUNTRIES[d]	43	101	44	190	160	159	164	48	147				1056	841
TOTAL N.C. STAPLE+TOW	**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**				**118842**	**101533**

+ Means a nominal poundage.

Other countries supplying 1985 poundages are:

[a] Australia 1, Belgium 22, Brazil 414, Hong Kong 12, Ireland 112, Italy 6, China, PRC 2, Sweden 10, Taiwan 73, Thailand 36, United Kingdom, 238 Yugoslavia 1.

[b] Belgium 3, Brazil 1, Fed. Rep. of Germany 44, Finland 79, France 14, Hong Kong 2, Italy 43, Mexico 2, Netherlands 3, Taiwan 165.

[c] Argentina 7, Australia 1079, Brazil 233, Denmark 144, German Dem. Rep. 24, Hong Kong 4, Iran 51, Ireland 148, Lebanon +, Morocco 55, Norway 204, Portugal 2, China, PRC 2, Singapore 61, Solomon Islands 10, Sweden 194, Turkey 47, Yugoslavia 2719.

[d] Australia 148, Austria 161, Denmark 113, Finland 289, Hong Kong 4, Iceland 35, Ireland 91, Jordan 16, Kiribat 29, Philippines +, Portugal +, Spain 1, Sweden 35, Turkey 8, Yugoslavia 126.

TABLE 9:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1985												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN[k]	**17.3**	**16.7**	**17.7**	**18.6**	**19.0**	**16.4**	**16.2**	**17.5**	**17.5**	**17.6**			**174.5**	**172.5**
NYLON[e] - INDUSTRIAL[f]	32.1	31.0	33.1	27.6	28.7	24.0	26.3	28.4	31.4	25.6			288.2	311.0
- LOW DENIER INDUSTRIAL[g]	2.6	2.5	2.4	2.5	2.3	1.9	2.0	2.4	2.5	2.5			23.6	28.9
- CARPET	57.1	51.9	59.5	69.2	72.7	69.9	69.9	79.4	80.0	76.7			686.3	668.8
- TEXTILE	30.5	27.0	27.5	27.8	27.9	23.5	23.7	27.1	29.1	27.9			272.0	298.7
POLYESTER - INDUSTRIAL[f]	26.4	24.5	25.3	26.4	25.4	21.6	21.4	23.6	23.8	25.1			243.5	265.7
- LOW DENIER INDUSTRIAL[g]	1.6	1.6	1.4	2.0	2.0	2.0	1.7	2.0	2.4	2.2			18.9	20.0
- TEXTILE	69.5	75.6	81.9	89.6	89.3	83.9	80.4	86.7	96.2	87.0			840.1	714.5
OLEFIN[h]	73.5	75.8	77.9	80.7	83.5	85.6	71.8	84.4	80.8	77.7			791.7	595.4
TOTAL NONCELLULOSIC ABOVE[i]	**293.3**	**289.9**	**309.0**	**325.8**	**331.8**	**312.4**	**297.2**	**334.0**	**346.2**	**324.7**			**3164.3**	**2903.0**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.0**	**25.0**	**27.7**	**30.0**	**30.5**	**29.6**	**30.4**	**32.8**	**29.7**	**33.6**			**298.3**	**327.4**
NYLON[e]	70.5	60.6	65.0	67.9	71.2	66.7	68.2	74.2	73.7	75.6			693.6	703.9
ACRYLIC+MODACRYLIC	51.5	55.0	57.8	54.9	56.7	50.5	52.5	55.3	57.5	58.7			550.4	566.3
POLYESTER	162.4	169.5	175.4	177.4	183.8	162.2	149.4	168.5	173.6	180.8			1703.0	1818.1
OLEFIN+VINYON	21.4	23.1	23.7	24.5	26.0	23.4	20.5	27.5	26.0	25.1			241.2	204.5
TOTAL NONCELLULOSIC ABOVE	**305.8**	**308.2**	**321.9**	**324.7**	**337.7**	**302.8**	**290.6**	**325.5**	**330.8**	**340.2**			**3188.2**	**3292.8**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN[k]	**18.2**	**18.2**	**18.9**	**19.2**	**19.2**	**19.4**	**19.9**	**17.9**	**16.6**	**15.2**			**15.2**	**14.7**
NYLON[e] - INDUSTRIAL[f]	28.8	30.6	29.4	32.0	27.5	29.9	32.3	29.7	29.5	28.6			28.6	28.0
- LOW DENIER INDUSTRIAL[g]	6.2	6.2	6.1	6.1	5.8	5.6	6.0	6.4	6.3	6.0			6.0	4.9
- CARPET	68.0	69.5	71.1	58.2	51.9	52.9	55.5	49.5	45.2	41.9			41.9	62.7
- TEXTILE	43.1	45.0	47.7	47.5	46.6	48.2	45.7	39.4	40.1	36.9			36.9	45.3
POLYESTER - INDUSTRIAL[f]	24.3	23.2	23.9	24.3	26.2	29.2	28.9	27.8	28.5	25.0			25.0	20.5
- LOW DENIER INDUSTRIAL[g]	2.8	2.7	2.8	2.9	3.8	2.8	3.6	2.7	2.7	2.9			2.9	4.4
- TEXTILE	79.7	81.6	81.2	80.6	71.2	74.5	80.3	84.2	83.0	84.8			84.8	75.9
OLEFIN[h]	62.0	64.3	65.9	64.7	63.3	67.2	63.8	62.2	61.3	61.5			61.5	59.4
TOTAL NONCELLULOSIC ABOVE[i]	**314.9**	**323.1**	**328.1**	**316.3**	**296.3**	**310.3**	**316.1**	**301.9**	**296.6**	**287.6**			**287.6**	**301.1**
STAPLE+TOW+FIBERFILL														
RAYON	**30.3**	**31.3**	**32.4**	**31.1**	**29.5**	**28.1**	**27.5**	**24.3**	**22.4**	**19.8**			**19.8**	**30.2**
NYLON[e]	69.7	72.4	74.1	71.1	70.2	69.1	71.0	66.9	68.6	69.4			69.4	71.3
ACRYLIC+MODACRYLIC	76.6	75.0	76.1	77.2	75.7	72.5	71.6	66.0	59.3	54.4			54.4	72.8
POLYESTER	191.8	192.6	186.9	187.6	187.7	175.7	178.5	156.1	153.1	138.7			138.7	204.5
OLEFIN+VINYON	26.1	25.1	24.1	25.5	24.3	22.9	23.9	24.5	24.0	26.6			26.6	20.3
TOTAL NONCELLULOSIC ABOVE	**364.2**	**365.1**	**361.2**	**361.4**	**357.9**	**340.2**	**345.0**	**313.5**	**305.0**	**289.1**			**289.1**	**368.9**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	9.6	9.3	13.0	10.9	10.0	11.1	8.7	9.1					81.7	109.6
CARPET CLASS WOOL	1.2	1.1	1.7	1.1	0.9	0.7	0.8	1.0					8.5	7.0
TOTAL RAW WOOL	10.8	10.4	14.7	12.0	10.9	11.8	9.5	10.1					90.2	116.6
RAW COTTON	176.2	193.8	283.2	225.0	204.1	252.1	211.6	221.7	297.8				2065.5	2062.6

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 43 of the March 1985 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

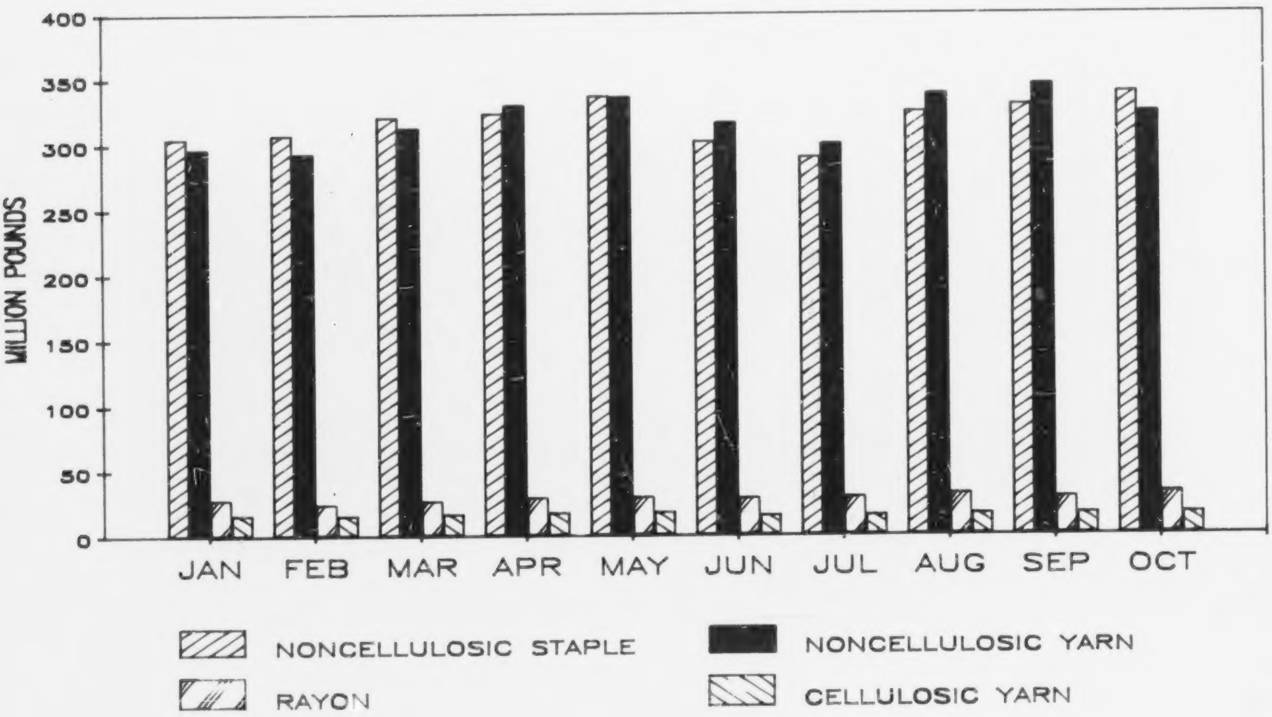
i. Saran and spandex data are not included in these totals. See page 43 of the March 1985 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 43 of the March 1985 issue.

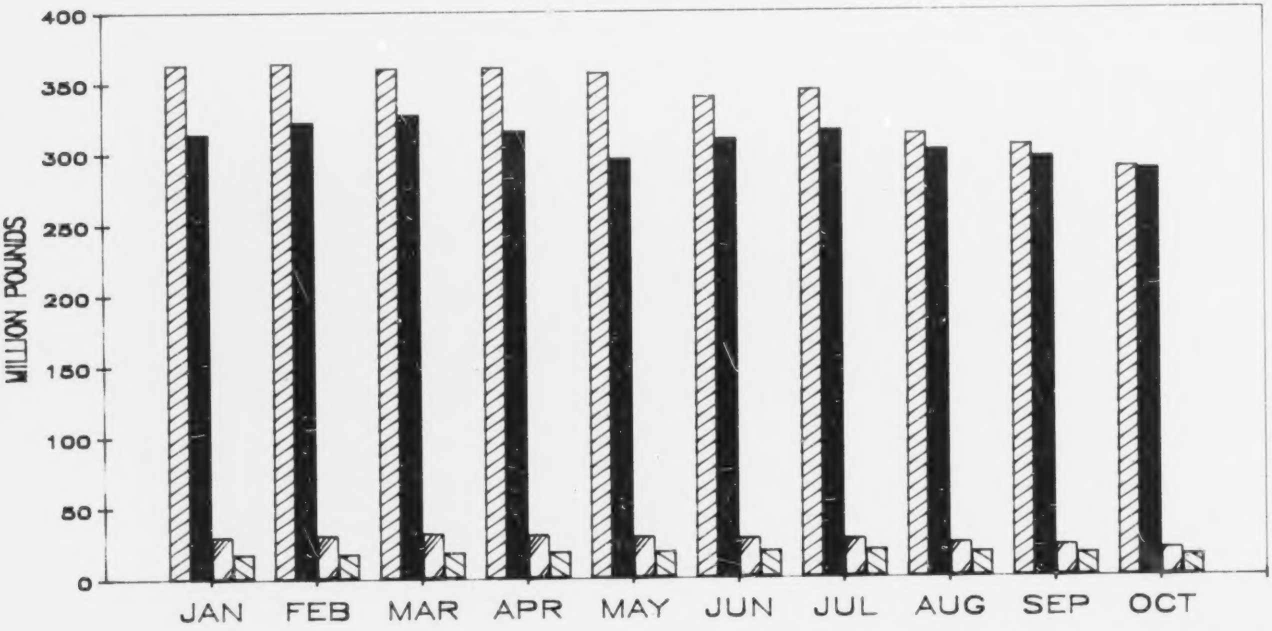
k. Year-to-Date total for 1984; acetate yarn only.

GRAPH 3:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

1985 TOTAL SHIPMENTS



1985 END-OF-MONTH STOCK



C 8850-1

Textile Organon

Vol 56, No. 12 □ December 1985

A publication of the Textile Economics Bureau, Inc.

MONTHLY REVIEW

Highlights

Third Quarter 1985 Shipments of Noncellulosic Yarn+ Monofilaments Continue to Rise . . . **see page 265.**

Third Quarter 1985 Shipments of Noncellulosic Staple+Tow Advance Marginally . . . **see page 266.**

Textile Organon *Features:*

World Natural Fiber Survey . . . **begins on page 249.**

November 1985 Capacity Survey Analysis . . . **begins on page 256.**

In November, shipments of noncellulosic yarn+ monofilaments and staple+tow fell for the third consecutive month by 7.5%.

Noncellulosic yarn+monofilament shipments dropped by 6.0% to 305.2 million pounds from the 324.7 million pounds shipped in October.

Shipments of noncellulosic staple+tow in November were down 8.8% from the month before, to 310.1 million pounds, from 340.2 million pounds shipped in October.

- Nylon carpet shipments declined by 13.2%.
- Polyester low denier industrial shipments decreased by 13.6%.
- Acrylic staple+tow shipments fell by 17.4%.
- Nylon staple+tow shipments dropped by 10.1%.

TABLE 1: TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT*

ITEM	1985 NOV	1985 OCT	%[a]	1984 NOV	%[b]	YEAR TO DATE 1985	YEAR TO DATE 1984	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN[e]	**16.9**	**17.6**	*-4.0*	**13.6**	*+24.3*	**191.4**	**186.1**	*+2.8*
NYLON[d] - INDUSTRIAL	25.8	25.6	*+0.8*	33.1	*-22.1*	314.0	344.1	*-8.7*
- LOW DENIER INDUSTRIAL	2.5	2.5	--	2.9	*-13.8*	26.1	31.8	*-17.9*
- CARPET	66.6	76.7	*-13.2*	63.5	*+4.9*	752.9	732.3	*+2.8*
- TEXTILE	26.6	27.9	*-4.7*	30.2	*-11.9*	298.6	328.9	*-9.2*
POLYESTER - INDUSTRIAL	24.1	25.1	*-4.0*	25.0	*-3.6*	267.6	290.7	*-7.9*
- LOW DENIER INDUSTRIAL	1.9	2.2	*-13.6*	1.5	*+26.7*	20.8	21.5	*-3.3*
- TEXTILE	80.5	87.0	*-7.5*	76.3	*+5.5*	920.6	790.8	*+16.4*
OLEFIN	77.2	77.7	*-0.6*	72.9	*+5.9*	869.5	668.3	*+30.1*
TOTAL NONCELLULOSIC ABOVE	**305.2**	**324.7**	*-6.0*	**305.4**	*-0.1*	**3470.1**	**3208.4**	*+8.2*
STAPLE+TOW+FIBERFILL								
RAYON	**31.2**	**33.6**	*-7.1*	**30.9**	*+1.0*	**329.5**	**358.3**	*-8.0*
NYLON[d]	68.0	75.6	*-10.1*	65.7	*+3.5*	761.6	769.6	*-1.0*
ACRYLIC+MODACRYLIC	48.5	58.7	*-17.4*	49.4	*-1.8*	598.9	615.7	*-2.7*
POLYESTER	167.7	180.8	*-7.2*	191.6	*-12.5*	1870.7	2009.7	*-6.9*
OLEFIN+VINYON	25.9	25.1	*+3.2*	21.5	*+20.5*	267.1	226.0	*+18.2*
TOTAL NONCELLULOSIC ABOVE	**310.1**	**340.2**	*-8.8*	**328.2**	*-5.5*	**3498.3**	**3621.0**	*-3.4*

-- Means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. Nylon excludes Aramid.

e. 1984 data Acetate only.

Also see footnotes on last page of this issue.

Textile Organon

A MONTHLY REVIEW

DECEMBER 1985

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone (201) 228 1107

Copyright © 1985
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates (payable in U.S. dollars with order):

Item	U.S.A.	Other
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first class mail and those to all other countries by airmail.

Contents

Feature

World Natural Fiber Survey 251-255
World Production, Consumption, Export & Carryover of Raw Cotton 251
World Raw Cotton Production by Producing Country 252
Supply & Distribution of Cotton in the U.S. 253
U.S. Calendar Year Imports & Exports of Raw Cotton & Cotton Products 253
U.S. Cotton Acreage & Yield 254
World Raw Wool Production by Principal Producing Countries 254
Supply & Demand of Wool in the U.S. 255
November 1985 Capacity Survey Analysis 256-259
Graph 1: Industry Capacity Utilization 256
U.S. Man-Made Fiber Production & Producing Capacity 257
Noncellulosic Fiber Capacity Detail 258
Graph 2: Noncellulosic Yarn+Monofilament Capacity Vs. Staple+Tow Capacity 258
Graph 3: Nylon Carpet Yarn Capacity Utilization 259
Graph 4: Polyester Textile Yarn Capacity Utilization 259
Graph 5: Polyester Staple+Tow Capacity Utilization 259

Industry Regulars

Total Man-Made Fiber Shipments 248
Datagram 250
Trade Barometer 260-267
Graph 6: Imports Vs. Exports of Man-Made Fiber 260
Graph 7: Man-Made Fiber Monthly Trade Balance 261
Man-Made Fiber Monthly Trade Balance Detail 261
Monthly U.S. Man-Made Fiber Data 262-264
Exports by Fiber 262
Imports by Country of Origin 263
Imports for Consumption by Fiber 264
Quarterly Man-Made Fiber Data 265-266
Filament Yarn Domestic Shipments 265
Staple+Tow Domestic Shipments 266
Selected U.S. Textile Fiber Data 267
Index 268-271

DATAGRAM

WORLD PRODUCTION OF COTTON RISES SIGNIFICANTLY

The world production of raw cotton rose dramatically during the 1984 season (beginning August 1, 1984), to 87,908 million bales, up 34% from the 1983 seasonal level of 65,571 million bales.

The most significant production increases were recorded in:

- *The United States, where production rose by 67%.*
- *The Peoples' Republic of China produced a record of 28,710 million bales, up 35%.*

U.S. MAN-MADE FIBER UTILIZATION RATES DROP

The 1985 scenario: weakening demand coupled with an oversupply of textiles and products have contributed to a falling capacity utilization rate for the U.S. man-made fiber industry.

Based on 11-months production data and November 1985 Capacity Survey results, the industry capacity utilization rate for 1985 stood at 71.3%, as compared to 78.4% in 1984.

Despite falling capacity utilization rates, total industry capacity (excluding textile glass), grew marginally by ½% to 10,372 million pounds.

YEAR-TO-DATE, IMPORTS CONTINUE TO CLIMB

For the first 10 months of 1985, imports of man-made fibers for consumption totaled 279.9 million pounds, up 10.3% from the January-October 1984 import level of 253.7 million pounds.

More specifics:

- *Noncellulosic staple+tow imports increased by 19.4%.*

The major importing countries are:

- *Republic of Korea; imports up 964%.*
- *Israel; imports rose by 495%.*
- *Brazil; imports increased by 219%.*

- *Noncellulosic yarn+monofilament imports rose by 17%.*

The leading importing countries are:

- *Belgium; imports rose by a significant 9307%.*
- *Switzerland; imports are up 305%.*
- *South Africa; imports advanced by 232%.*

World Natural Fiber Survey

For the season beginning August 1, 1984, world production of raw cotton rose to 87.908 million bales, a 34% decline from the 65.571 million bales produced during the 1983 season.

In the face of a worldwide increase in raw cotton production, the People's Republic of China produced a record 28.710 million bales in 1984, a 35% increase over the seasonal 1983 level of 21.310 million bales or over 212% higher than the seasonal 1970 level of 9.200 million bales.

During the 1984 season, the United States recorded an increase in production of 67% to 12.981 million bales over the 1983 seasonal level of 7.771 million bales.

In 1984, world production of raw wool (greasy basis) rose to 6.539 million pounds, up 1½% from the seasonal 1983 level of 6.435 million pounds.

Australia recorded an increase of 8% for the 1984 season to 1.739 million pounds. Production for New Zealand rose 2½% to 822 million pounds during the same season.

Eastern Europe and the People's Republic of China increased their production to 1.869 million pounds, 3% above the seasonal 1983 level of 1.812 million pounds.

Seasonal 1984 raw wool production in the United States fell to 95 million pounds, 6% below the 101 million pounds produced during the 1983 season.

TABLE 2:
WORLD PRODUCTION, CONSUMPTION, EXPORT & CARRYOVER OF RAW COTTON

MILLION BALES[a] & *Percent*

SEASON BEGINNING AUGUST 1	PRODUCTION[b]						CONSUMPTION[c]						EXPORT[d]						CARRYOVER[e]					
	TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954[f]	38.4	100	14.0	36	24.4	64	37.2	100	9.3	25	27.9	75	12.4	100	4.0	32	8.4	68	18.1	100	7.6	42	10.5	58
1955-1959[f]	43.7	100	12.9	30	30.8	70	44.2	100	8.7	20	35.5	80	14.7	100	5.1	35	9.6	65	22.4	100	12.0	54	10.4	46
1960-1964[f]	49.2	100	14.9	30	34.3	70	47.2	100	8.7	18	38.5	82	16.6	100	4.9	30	11.7	70	23.5	100	12.3	52	11.2	48
1965-1969[f]	52.7	100	10.6	20	42.1	80	54.0	100	8.8	16	45.2	84	17.4	100	3.6	21	13.8	79	27.0	100	11.3	42	15.7	58
1970-1974[f]	63.2	100	11.9	19	51.3	81	59.2	100	7.5	13	51.7	87	18.9	100	4.5	24	14.4	76	23.0	100	4.3	19	18.7	81
1975-1979[f]	60.4	100	11.9	20	48.5	80	62.5	100	6.7	11	55.8	89	19.5	100	5.8	30	13.7	70	25.0	100	4.3	17	20.7	83
1970	54.4	100	10.3	19	44.1	81	56.2	100	8.1	14	48.1	86	17.8	100	3.9	22	13.9	78	21.8	100	5.8	27	16.0	73
1971	59.8	100	10.3	17	49.5	83	58.5	100	8.0	14	50.5	86	18.9	100	3.4	18	15.5	82	20.9	100	4.3	21	16.6	79
1972	63.2	100	13.9	22	49.3	78	60.4	100	7.8	13	52.6	87	21.2	100	5.3	25	15.9	75	21.9	100	3.3	15	18.6	85
1973	63.7	100	13.3	21	50.4	79	62.2	100	7.5	12	54.7	88	19.4	100	6.1	31	13.3	69	24.5	100	4.1	17	20.4	83
1974	64.7	100	11.5	18	53.2	82	58.5	100	5.9	10	52.6	90	17.2	100	3.9	23	13.3	77	25.8	100	3.9	15	21.9	85
1975	54.4	100	8.5	16	45.9	84	61.3	100	7.3	12	54.0	88	18.7	100	3.3	18	15.4	82	31.7	100	5.6	18	26.1	82
1976	57.6	100	10.7	19	46.9	81	60.8	100	6.7	11	54.1	89	17.5	100	4.8	27	12.7	73	24.7	100	3.7	15	21.0	85
1977	64.3	100	14.5	23	49.8	77	60.9	100	6.5	11	54.4	89	18.7	100	5.5	29	13.2	71	21.4	100	3.0	14	18.4	86
1978	59.5	100	10.9	18	48.6	82	63.0	100	6.4	10	56.6	90	19.6	100	6.2	32	13.4	68	26.2	100	5.3	20	20.9	80
1979	64.9	100	14.6	23	50.3	77	65.2	100	6.5	10	58.7	90	23.4	100	9.3	40	14.1	60	23.5	100	4.1	18	19.4	82
1980	64.5	100	11.1	17	53.4	83	66.0	100	5.9	9	60.1	91	19.8	100	5.9	30	13.9	70	23.1	100	3.0	13	20.1	87
1981	70.5	100	15.6	22	54.9	78	65.3	100	5.3	8	60.0	92	20.7	100	6.6	32	14.1	68	21.4	100	2.7	13	18.7	87
1982	67.5	100	12.0	18	55.5	82	67.9	100	5.5	8	62.4	92	18.9	100	5.2	28	13.7	72	26.1	100	7.9	30	18.2	70
1983	67.6	100	7.8	12	59.8	88	68.9	100	5.9	9	63.0	91	18.7	100	6.8	36	11.9	64	24.7	100	2.8	11	21.9	89
1984[g]	87.9	100	13.0	15	74.9	85	70.5	100	5.5	8	65.0	92	20.8	100	6.2	30	14.6	70	25.5	100	2.6	11	22.7	89
1985[g]	80.9	100	13.7	17	67.2	83	71.9	100	5.5	8	66.4	92	21.2	100	3.5	17	17.7	83	42.6	100	4.1	10	38.5	90

SOURCE: International Cotton Advisory Committee.
For earlier years' data, see the October 1960 and 1969 ORGANON issues, pages 167 & 176.

a. Bales of 478 pounds, except running bales for the United States through 1971.

b. Means actual ginnings or pressings during the August-July season. In some countries, unpressed cotton and estimates of production for household consumption and for delivery to mills are included. U.S. production also includes the city crop, etc. Note that U.S. production shown in the table on page 252 includes only the ginnings within the crop year shown.

c. Includes raw cotton consumed in spinning mills and other factories plus estimates of household consumption.

d. Means the export of domestically produced cotton.

e. Includes mill stocks, port stocks and stocks in transit, etc. U.S.A. means the carryover of U.S. cotton in the world regardless of where located; FOREIGN means the carryover of foreign cotton in the world regardless of location.

f. Five-year averages.

g. The 1984 & 1985 data are preliminary or estimated.

TABLE 3:
WORLD RAW COTTON PRODUCTION BY PRODUCING COUNTRIES[a]

THOUSAND BALES & *Percent*

SEASON Beginning AUGUST 1ST	WORLD TOTAL		NORTH & SOUTH AMERICA												PRC & E. EUROPE					
			BRAZIL		MEXICO		U.S.A.		OTHER N.A.[b]		OTHER S.A.[c]		TOTAL		CHINA[d]		U.S.S.R.[e]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	38,403	*100*	1,666	*4.3*	1,340	*3.5*	14,046	*36.6*	179	*0.5*	1,170	*3.0*	18,401	*47.9*	4,480	*11.6*	5,945	*15.5*	10,425	*27.1*
1955-1959	43,718	*100*	1,490	*3.4*	2,050	*4.7*	12,945	*29.6*	422	*1.0*	1,325	*3.0*	18,232	*41.7*	7,060	*16.2*	6,925	*15.8*	13,985	*32.0*
1960-1964	49,171	*100*	2,220	*4.5*	2,191	*4.5*	14,881	*30.3*	931	*1.9*	1,643	*3.3*	21,866	*44.5*	5,580	*11.4*	7,533	*15.3*	13,113	*26.7*
1965-1969	52,716	*100*	2,679	*5.1*	2,211	*4.2*	10,595	*20.1*	1,049	*2.0*	1,576	*3.0*	18,110	*34.4*	8,240	*15.6*	9,277	*17.6*	17,517	*33.2*
1970-1974	61,175	*100*	2,756	*4.5*	1,733	*2.8*	11,851	*19.4*	1,279	*2.1*	1,871	*3.1*	19,490	*31.9*	10,480	*17.1*	11,344	*18.6*	21,824	*35.7*
1975-1979	60,396	*100*	2,327	*3.8*	1,334	*2.2*	11,876	*19.7*	1,469	*2.4*	2,222	*3.7*	19,228	*31.8*	10,070	*16.7*	12,363	*20.5*	22,433	*37.2*
1970	54,412	*100*	2,740	*5.0*	1,440	*2.6*	10,269	*18.9*	895	*1.7*	1,509	*2.8*	16,853	*31.0*	9,200	*16.9*	10,900	*20.1*	20,100	*37.0*
1971	59,822	*100*	3,135	*5.2*	1,715	*2.9*	10,270	*17.2*	1,189	*2.0*	1,630	*2.7*	17,939	*30.0*	10,200	*17.1*	11,090	*18.5*	21,290	*35.6*
1972	63,266	*100*	3,000	*4.7*	1,780	*2.8*	13,890	*22.0*	1,268	*2.0*	1,869	*3.0*	21,807	*34.5*	9,800	*15.5*	11,205	*17.7*	21,005	*33.2*
1973	63,657	*100*	2,465	*3.9*	1,500	*2.4*	13,300	*20.9*	1,611	*2.5*	1,992	*3.1*	20,868	*32.8*	11,700	*18.4*	11,190	*17.5*	22,890	*35.9*
1974	64,716	*100*	2,440	*3.8*	2,230	*3.5*	11,525	*17.8*	1,430	*2.2*	2,357	*3.6*	19,982	*30.9*	11,500	*17.8*	12,335	*19.0*	23,835	*36.8*
1975	54,376	*100*	1,800	*3.3*	910	*1.7*	8,500	*15.6*	1,281	*2.4*	1,893	*3.5*	14,384	*26.5*	10,700	*19.7*	11,815	*21.7*	22,515	*41.4*
1976	57,569	*100*	2,510	*4.4*	1,045	*1.8*	10,650	*18.5*	1,562	*2.7*	2,302	*4.0*	18,069	*31.4*	10,000	*17.4*	12,125	*21.0*	22,125	*38.4*
1977	64,261	*100*	2,125	*3.3*	1,627	*2.5*	14,525	*22.6*	1,685	*2.6*	2,635	*4.1*	22,597	*35.1*	9,450	*14.7*	12,760	*19.9*	22,210	*34.6*
1978	59,482	*100*	2,519	*4.2*	1,563	*2.6*	10,856	*18.3*	1,657	*2.8*	2,105	*3.6*	18,700	*31.5*	9,968	*16.8*	11,885	*20.0*	21,853	*36.8*
1979	64,938	*100*	2,629	*4.0*	1,509	*2.3*	14,629	*22.6*	1,141	*1.8*	2,212	*3.4*	22,120	*34.1*	10,168	*15.7*	12,469	*19.2*	22,637	*34.9*
1980	64,529	*100*	2,857	*4.4*	1,620	*2.5*	11,122	*17.2*	1,191	*1.9*	1,991	*3.1*	18,781	*29.1*	12,443	*19.3*	13,240	*20.5*	25,683	*39.8*
1981	70,548	*100*	2,940	*4.2*	1,440	*2.0*	15,641	*22.3*	915	*1.3*	2,056	*2.9*	22,992	*32.7*	13,653	*19.3*	13,045	*18.5*	26,698	*37.8*
1982	67,516	*100*	2,971	*4.4*	840	*1.2*	11,963	*17.7*	806	*1.2*	1,259	*1.9*	17,839	*26.4*	16,535	*24.5*	12,020	*17.8*	28,555	*42.3*
1983	65,571	*100*	2,475	*3.7*	1,008	*1.5*	7,771	*11.5*	803	*1.2*	1,864	*2.7*	13,921	*20.6*	21,310	*31.5*	12,352	*18.3*	33,662	*49.8*
1984[f]	87,908	*100*	4,372	*4.9*	1,248	*1.4*	12,981	*14.8*	837	*1.0*	2,624	*3.0*	22,062	*25.1*	28,710	*32.7*	11,789	*13.4*	40,499	*46.1*
1985[f]	80,896	*100*	2,870	*3.5*	850	*1.0*	13,655	*16.9*	797	*1.0*	2,554	*3.2*	20,726	*25.6*	23,010	*28.5*	12,570	*15.5*	35,580	*44.0*

SEASON Beginning AUGUST 1ST	WEST EUROPE TOTAL[g]		ASIA & OCEANIA										AFRICA							
			INDIA		PAKISTAN		TURKEY		OTHER[h]		TOTAL		EGYPT		SUDAN		OTHER[i]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	236	*0.6*	3,432	*8.9*	1,330	*3.5*	642	*1.7*	727	*1.9*	6,131	*16.0*	1,713	*4.5*	387	*1.0*	1,110	*2.9*	3,210	*8.4*
1955-1959	537	*1.2*	4,012	*9.2*	1,381	*3.2*	763	*1.7*	1,129	*2.6*	7,285	*16.7*	1,815	*4.2*	502	*1.1*	1,362	*3.1*	3,679	*8.4*
1960-1964	838	*1.7*	4,769	*9.7*	1,663	*3.4*	1,118	*2.3*	1,644	*3.3*	9,194	*18.7*	2,045	*4.1*	691	*1.4*	1,424	*2.9*	4,160	*8.4*
1965-1969	778	*1.5*	4,850	*9.2*	2,268	*4.3*	1,787	*3.4*	2,065	*3.9*	10,970	*20.8*	2,205	*4.2*	946	*1.8*	2,190	*4.1*	5,341	*10.1*
1970-1974	809	*1.3*	5,410	*8.8*	2,993	*4.9*	2,379	*3.9*	2,363	*3.9*	13,145	*21.5*	2,268	*3.7*	1,056	*1.7*	2,583	*4.2*	5,907	*9.6*
1975-1979	803	*1.3*	5,700	*9.4*	2,536	*4.2*	2,291	*3.8*	2,381	*4.0*	12,908	*21.4*	1,936	*3.2*	663	*1.1*	2,425	*4.0*	5,024	*8.3*
1970	783	*1.4*	4,400	*8.1*	2,502	*4.6*	1,845	*3.4*	2,041	*3.7*	10,788	*19.8*	2,346	*4.3*	1,130	*2.1*	2,412	*4.4*	5,888	*10.8*
1971	759	*1.3*	5,800	*9.7*	3,263	*5.5*	2,420	*4.0*	2,238	*3.7*	13,721	*22.9*	2,351	*3.9*	1,125	*1.9*	2,637	*4.4*	6,113	*10.2*
1972	916	*1.4*	5,370	*8.5*	3,237	*5.1*	2,505	*4.0*	2,479	*3.9*	13,591	*21.5*	2,369	*3.7*	920	*1.5*	2,658	*4.2*	5,947	*9.4*
1973	717	*1.1*	5,530	*8.7*	3,037	*4.8*	2,365	*3.7*	2,416	*3.8*	13,348	*21.0*	2,258	*3.6*	1,090	*1.7*	2,486	*3.9*	5,834	*9.2*
1974	869	*1.3*	5,950	*9.2*	2,925	*4.5*	2,760	*4.3*	2,640	*4.1*	14,275	*22.1*	2,018	*3.1*	1,015	*1.6*	2,722	*4.2*	5,755	*8.9*
1975	813	*1.5*	5,350	*9.8*	2,370	*4.4*	2,215	*4.1*	2,239	*4.1*	12,174	*22.4*	1,762	*3.2*	500	*0.9*	2,228	*4.1*	4,490	*8.2*
1976	733	*1.3*	4,950	*8.6*	2,006	*3.5*	2,190	*3.8*	2,401	*4.1*	11,547	*20.0*	1,828	*3.2*	735	*1.3*	2,532	*4.4*	5,095	*8.9*
1977	928	*1.4*	5,680	*8.9*	2,651	*4.1*	2,650	*4.1*	2,489	*3.9*	13,470	*21.0*	1,840	*2.9*	915	*1.4*	2,301	*3.6*	5,056	*7.9*
1978	851	*1.4*	6,194	*10.4*	2,174	*3.6*	2,191	*3.7*	2,379	*4.0*	12,938	*21.7*	2,014	*3.4*	637	*1.0*	2,489	*4.2*	5,140	*8.6*
1979	656	*1.0*	6,274	*9.7*	3,343	*5.1*	2,191	*3.4*	2,368	*3.6*	14,176	*21.8*	2,221	*3.4*	523	*0.8*	2,605	*4.0*	5,349	*8.2*
1980	821	*1.3*	6,090	*9.4*	3,282	*5.1*	2,290	*3.6*	2,289	*3.5*	13,951	*21.6*	2,428	*3.8*	443	*0.7*	2,422	*3.7*	5,293	*8.2*
1981	877	*1.2*	6,473	*9.2*	3,438	*4.9*	2,244	*3.2*	2,644	*3.7*	14,799	*21.0*	2,293	*3.2*	706	*1.0*	2,183	*3.1*	5,182	*7.3*
1982	718	*1.1*	6,320	*9.4*	3,775	*5.6*	2,241	*3.3*	2,600	*3.8*	14,936	*22.1*	2,117	*3.1*	959	*1.4*	2,392	*3.6*	5,468	*8.1*
1983[f]	783	*1.2*	6,063	*9.0*	2,310	*3.4*	2,388	*3.5*	2,990	*4.4*	13,751	*20.3*	1,853	*2.7*	1,006	*1.5*	2,595	*3.9*	5,454	*8.1*
1984[f]	918	*1.1*	8,000	*9.1*	4,628	*5.3*	2,692	*3.0*	3,270	*3.7*	18,590	*21.1*	1,834	*2.1*	902	*1.0*	3,103	*3.5*	5,839	*6.6*
1985[f]	1,131	*1.4*	7,250	*9.0*	3,800	*4.7*	2,595	*3.2*	3,392	*4.2*	17,037	*21.1*	2,103	*2.6*	878	*1.1*	3,441	*4.2*	6,422	*7.9*

SOURCE: International Cotton Advisory Committee.

a. Foreign imports in equivalent 500-pound bales.

b. Baleages are principally from El Salvador, Guatemala & Nicaragua.

c. Baleages are principally from Argentina, Colombia, Paraguay & Peru.

d. Figures include nominal baleages for North Korea & Vietnam.

e. Figures include nominal baleages for Albania & Bulgaria.

f. Data are preliminary.

g. Baleages are principally from Greece & Spain.

h. Baleages are chiefly from Australia, Iran, Israel & Syria.

i. Baleages are principally from Angola, Chad, Mozambique, Nigeria, South Africa, Tanzania, Uganda, Zaire & Zimbabwe.

TABLE 4:
SUPPLY AND DISTRIBUTION OF DOMESTIC & FOREIGN RAW COTTON IN THE U.S. FOR THE SEASONS BEGINNING AUGUST 1ST

THOUSAND RUNNING BALES[a]

SUPPLY & DISTRIBUTION	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985[b]
SUPPLY												
BEGINNING STOCK (AUGUST 1ST)	3,743	5,481	3,594	2,920	5,326	3,782	3,027	2,668	6,632	7,937	2,777	4,200
NET IMPORTS	34	88	38	5	4	5	28	26	23	25	25	14
U.S. PRODUCTION (GINNINGS)[c]	11,213	8,199	10,385	14,077	10,477	14,390	10,671	15,646	}11,963	7,771	12,982	13,780
CITY CROP (EST.)[d]	10	5	10	+	+	+	131	266				
TOTAL SUPPLY	**15,000**	**13,773**	**14,027**	**17,002**	**15,807**	**18,177**	**13,857**	**18,606**	**18,618**	**15,733**	**15,874**	**17,994**
DISTRIBUTION												
NET EXPORTS	3,746	3,247	4,565	5,219	5,850	8,779	5,611	6,567	5,200	6,800	6,250	4,000
U.S. CONSUMPTION	5,629	6,995	6,478	6,236	6,098	6,261	5,660	5,264	5,503	5,900	5,365	5,192
ADJUSTMENT ITEM[e]	144	-63	64	221	77	110	g	123	-22	200	0	0
ENDING STOCK (JULY 31ST)	5,481	3,594	2,920	5,326	3,782	3,027	2,586	6,632	7,937	2,777	4,200	8,885
DIVIDED AS -												
PRIVATELY OWNED	4,597	3,483	2,604	4,057	3,145	2,485	1,934					
GOVERNMENT CONTROLLED[f]	884	111	316	1,269	637	542	652[h]					
TOTAL DISTRIBUTION	**15,000**	**13,773**	**14,027**	**17,002**	**15,807**	**18,177**	**13,857**	**18,586**	**18,618**	**15,677**	**15,815**	**18,077**

SOURCES: U.S. Census Bureau, *Current Industrial Report M22-P, USDA Cotton and Wool Situation*, and the New York Cotton Exchange Service Bureau.

For earlier years' data, see page 178 of the October 1967 *Organon* and page 158 of the October 1978 issue.

a. Foreign imports in equivalent 500-pound bales.
b. Data estimated except for beginning stock.
c. Total ginnings within the crop year shown. Note that U.S. production given in the world tables on page 212 and 213 also includes city crop, etc.
d. Consists of rebaled samples and pickings from cotton damaged by fire and weather (partially estimated).
e. The Census Bureau's difference between supply and distribution resulting from baleage destroyed, cotton in transit, etc.
f. Loan and pooled cotton under CCC and earlier programs.
g. Included in city crop above.
h. Preliminary data, subject to revision.

TABLE 5:
U.S. CALENDAR YEAR IMPORTS & EXPORTS OF RAW COTTON & COTTON PRODUCTS

THOUSAND RUNNING BALES

PRODUCTS	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
IMPORTS																
RAW COTTON	46	37	38	75	33	46	50	96	9	3	6	17	26	20	12	25
COTTON YARN	65	51	66	82	53	27	24	54	27	63	25	39	48	59	88	114
MANUFACTURED GOODS[a]	952	914	960	1,190	1,121	1,020	1,020	1,422	1,368	1,698	1,529	1,650	1,956	1,869	2,336	3,053
TOTAL	**1,063**	**1,002**	**1,064**	**1,347**	**1,207**	**1,093**	**1,094**	**1,572**	**1,404**	**1,764**	**1,560**	**1,706**	**2,030**	**1,948**	**2,436**	**3,192**
EXPORTS																
RAW COTTON	2,397	2,982	4,128	3,089	5,487	5,171	3,840	3,431	4,448	5,875	6,649	7,975	6,567	5,207	6,786	6,250
COTTON YARN	78	32	34	37	32	37	25	25	21	42	59	64	45	37	39	42
MANUFACTURED GOODS[a]	406	383	438	568	645	781	712	836	749	699	940	1,037	720	528	458	429
TOTAL	**2,881**	**3,397**	**4,600**	**3,694**	**6,164**	**5,989**	**4,577**	**4,292**	**5,218**	**6,616**	**7,648**	**9,076**	**7,332**	**5,772**	**7,283**	**6,721**
IMPORT BALANCE[b]																
COTTON YARN+ MANUFACTURED GOODS[a]	+533	+550	+554	+667	+497	+229	+307	+615	+625	+1,020	+555	+588	+1,239	+1,363	+1,927	+2,696

SOURCES: U.S. Census Bureau and Department of Agriculture.

Raw cotton data are actual bales. Cotton yarn and manufactured goods data are the USDA raw cotton equivalents of these imports and exports.

a. Includes thread, twine, cordage, woven & knit cloth, all types of apparel, household items and other items such as industrial belts and belting, bags, braids and narrow fabrics.
b. Import balance (+) and export balance (-).

TABLE 6:
U.S. COTTON ACREAGE & YIELD

SEASON BEGINNING AUGUST 1	HARVESTED THOUSAND ACRES	YIELD[a] LBS	PRODUCTION THOUSAND BALES[b]
1964	14,057	517	15,145
1965	13,615	527	14,938
1966	9,552	480	9,557
1967	7,997	447	7,443
1968	10,160	516	10,926
1969	11,055	434	9,990
1970	11,155	438	10,184
1971	11,471	438	10,477
1972	12,984	507	13,704
1973	11,970	520	12,974
1974	12,567	441	11,540
1975	8,796	453	8,302
1976	10,914	465	10,581
1977	13,282	520	14,389
1978	12,400	420	10,856
1979	12,831	547	14,629
1980	13,215	404	11,122
1981	13,841	542	15,641
1982	9,730	590	11,962
1983	7,348	508	7,771
1984[c]	10,379	600	12,981
1985[d]	10,364	632	13,655

SOURCE: International Cotton Advisory Committee.

a. Per harvested acre.

b. Production for the crop year in 480-pound net weight bales, regardless of when ginned. Does not include adjustment for city crop, etc., as in the table above.

c. Preliminary data.

d. International Cotton Advisory Committee estimate.

TABLE 7:
WORLD RAW WOOL PRODUCTION BY THE PRINCIPAL PRODUCING COUNTRIES[a]

MILLION POUNDS, GREASY BASIS & *Percent*

	AUSTRALIA		NEW ZEALAND		SOUTH AFRICA[c]		ARGENTINA		URUGUAY		UNITED STATES		UNITED KINGDOM		TURKEY		E. EUROPE & CHINA[d]		ALL OTHERS[e]		WORLD TOTAL	
YEAR[b]	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%
1935-39[f]	1,018	*26.3*	309	*8.0*	263	*6.8*	377	*9.8*	118	*3.1*	439	*11.4*	111	*2.9*	60	*1.5*	293	*7.6*	875	*22.6*	3,863	*100*
1940-44[f]	1,129	*27.4*	344	*8.3*	254	*6.2*	500	*12.1*	137	*3.3*	462	*11.2*	102	*2.5*	68	*1.7*	306	*7.4*	821	*19.9*	4,123	*100*
1945-49[f]	1,023	*26.9*	370	*9.7*	222	*5.8*	452	*11.9*	161	*4.2*	332	*8.7*	85	*2.2*	71	*1.9*	410	*10.8*	684	*17.9*	3,810	*100*
1950-54[f]	1,202	*27.6*	419	*9.6*	272	*6.3*	401	*9.2*	193	*4.4*	289	*6.6*	96	*2.2*	76	*1.7*	667	*15.3*	745	*17.1*	4,360	*100*
1955-59[f]	1,537	*29.5*	513	*9.8*	313	*6.0*	406	*7.8*	184	*3.5*	305	*5.9*	113	*2.2*	90	*1.7*	945	*18.2*	800	*15.4*	5,206	*100*
1960-64[f]	1,713	*30.2*	607	*10.7*	304	*5.4*	413	*7.3*	187	*3.3*	295	*5.2*	127	*2.2*	98	*1.7*	1,132	*20.0*	796	*14.0*	5,672	*100*
1965-69[f]	1,836	*30.7*	717	*12.0*	310	*5.2*	454	*7.6*	181	*3.0*	222	*3.7*	123	*2.1*	100	*1.7*	1,216	*20.3*	817	*13.7*	5,976	*100*
1970-74[f]	1,764	*30.6*	681	*11.8*	246	*4.2*	410	*7.1*	138	*2.4*	169	*2.9*	106	*1.8*	110	*1.9*	1,339	*23.2*	813	*14.1*	5,776	*100*
1975-79[f]	1,567	*26.5*	707	*12.0*	230	*3.9*	385	*6.5*	145	*2.5*	113	*1.9*	106	*1.8*	122	*2.1*	1,549	*26.3*	975	*16.5*	5,899	*100*
1965	1,663	*29.0*	695	*12.1*	329	*5.7*	430	*7.5*	183	*3.2*	241	*4.2*	129	*2.3*	95	*1.7*	1,138	*19.9*	826	*14.4*	5,729	*100*
1966	1,762	*30.1*	709	*12.1*	292	*5.0*	441	*7.5*	178	*3.0*	236	*4.0*	132	*2.3*	97	*1.7*	1,178	*20.1*	828	*14.2*	5,853	*100*
1967	1,770	*29.5*	728	*12.2*	304	*5.1*	494	*8.2*	185	*3.1*	227	*3.8*	128	*2.1*	101	*1.7*	1,239	*20.7*	818	*13.6*	5,994	*100*
1968	1,949	*31.6*	732	*11.9*	313	*5.1*	461	*7.5*	181	*2.9*	211	*3.4*	119	*1.9*	106	*1.7*	1,292	*20.9*	811	*13.1*	6,175	*100*
1969	2,035	*33.2*	723	*11.8*	310	*5.0*	445	*7.3*	176	*2.9*	194	*3.2*	106	*1.7*	103	*1.7*	1,235	*20.1*	804	*13.1*	6,131	*100*
1970	1,964	*32.2*	736	*12.1*	271	*4.4*	441	*7.2*	172	*2.8*	187	*3.1*	101	*1.7*	104	*1.7*	1,303	*21.3*	828	*13.5*	6,107	*100*
1971	1,941	*32.5*	710	*11.9*	258	*4.3*	417	*7.0*	119	*2.0*	181	*3.0*	104	*1.7*	106	*1.8*	1,327	*22.2*	809	*13.6*	5,972	*100*
1972	1,620	*29.1*	681	*12.2*	236	*4.2*	390	*7.0*	132	*2.4*	176	*3.2*	106	*1.9*	110	*2.0*	1,310	*23.6*	799	*14.4*	5,506	*100*
1973	1,545	*28.2*	628	*11.5*	231	*4.2*	397	*7.3*	132	*2.4*	159	*2.9*	108	*2.0*	115	*2.1*	1,343	*24.5*	816	*14.9*	5,474	*100*
1974	1,748	*30.3*	648	*11.2*	238	*4.1*	406	*7.0*	141	*2.5*	143	*2.5*	110	*1.9*	115	*2.0*	1,413	*24.5*	809	*14.0*	5,771	*100*
1975	1,662	*28.8*	688	*11.9*	238	*4.1*	414	*7.2*	152	*2.6*	128	*2.2*	108	*1.9*	117	*2.0*	1,430	*24.8*	837	*14.5*	5,774	*100*
1976	1,550	*27.0*	668	*11.7*	227	*4.0*	388	*6.8*	141	*2.5*	117	*2.0*	106	*1.8*	119	*2.1*	1,435	*25.0*	983	*17.1*	5,734	*100*
1977	1,493	*25.6*	686	*11.8*	234	*4.0*	379	*6.5*	137	*2.3*	112	*1.9*	101	*1.7*	121	*2.1*	1,583	*27.1*	992	*17.0*	5,838	*100*
1978	1,556	*26.0*	708	*11.8*	225	*3.8*	377	*6.3*	139	*2.3*	104	*1.7*	108	*1.8*	126	*2.1*	1,620	*27.1*	1,020	*17.1*	5,983	*100*
1979	1,564	*25.4*	787	*12.8*	227	*3.7*	377	*6.1*	154	*2.5*	106	*1.7*	106	*1.7*	130	*2.1*	1,715	*27.8*	1,002	*16.2*	6,168	*100*
1980	1,543	*24.6*	840	*13.4*	231	*3.7*	375	*6.0*	179	*2.8*	108	*1.7*	115	*1.8*	134	*2.1*	1,735	*27.6*	1,025	*16.3*	6,285	*100*
1981	1,581	*24.8*	800	*12.6*	242	*3.8*	370	*5.8*	174	*2.7*	112	*1.8*	112	*1.8*	137	*2.1*	1,806	*28.3*	1,037	*16.3*	6,371	*100*
1982	1,548	*24.2*	818	*12.8*	249	*3.9*	357	*5.6*	181	*2.8*	108	*1.7*	110	*1.7*	141	*2.2*	1,819	*28.5*	1,060	*16.6*	6,391	*100*
1983	1,605	*24.9*	802	*12.5*	238	*3.7*	368	*5.7*	181	*2.8*	101	*1.6*	115	*1.8*	141	*2.2*	1,812	*28.1*	1,072	*16.7*	6,435	*100*
1984	1,739	*26.6*	822	*12.6*	231	*3.5*	337	*5.1*	157	*2.4*	95	*1.4*	123	*1.9*	135	*2.1*	1,869	*28.6*	1,031	*15.8*	6,539	*100*
1985[g]	1,757	*26.8*	794	*12.1*	234	*3.6*	353	*5.4*	176	*2.7*	86	*1.3*	128	*2.0*	137	*2.1*	1,792	*27.4*	1,086	*16.6*	6,543	*100*

SOURCE: The Commonwealth Secretariat (London).

a. Apparel plus carpet class shorn wool, as well as pulled wool and wool on skins, mostly at the shorn equivalent.

b. Calendar years for Northern Hemisphere nations; season beginning July first or October first for Southern Hemisphere countries.

c. Excludes Lesotho and South West Africa.

d. Includes U.S.S.R. & Romania only in 1945 and prior years. For 1946 forward, Albania, Bulgaria, People's Republic of China, Czechoslovakia, East Germany, Hungary, Outer Mongolia & Tibet, Poland and Yugoslavia are also included.

d. For 1979 forward, these figures reflect significant revisions of People's Republic of China.

e. Also includes China and Eastern European countries, except U.S.S.R. & Romania, in 1945 and prior years.

f. Five-year averages.

g. Preliminary estimates.

TABLE 8:
SUPPLY & DEMAND OF WOOL IN THE U.S.[a]

MILLION POUNDS, SCOURED BASIS

ITEM	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
MILL CONSUMPTION OF WOOL														
APPAREL CLASS - DOMESTIC	101.5	145.7	121.1	86.1	99.5	92.3	87.0	91.2	92.1	77.4	142.2	119.7	151.8	153.3
- FOREIGN	42.7	24.8	19.6	11.8	16.6	38.4	34.2	37.3	32.4	47.3				
TOTAL APPAREL CLASS	144.2	170.5	140.7	97.9	116.1	130.7	121.2	128.5	124.5	124.7	142.2	119.7	151.8	153.3
CARPET CLASS - FOREIGN	75.1	76.4	41.4	18.6	15.9	15.2	12.7	13.1	9.9	9.2	10.7	9.8	10.7	9.9
SUBTOTAL ABOVE[b]	**219.3**	**246.9**	**182.1**	**116.5**	**132.0**	**145.9**	**133.9**	**141.6**	**134.4**	**133.9**	**152.9**	**129.5**	**162.5**	**163.2**
CONSUMED ON THE COTTON SYSTEM[c]	3.1	2.0	1.5	1.0	0.8	3.0	4.1	3.0	2.5	3.8	2.7	1.8	3.3	5.5
TOTAL RAW WOOL	**222.4**	**248.9**	**183.6**	**117.5**	**132.8**	**148.9**	**138.0**	**144.6**	**136.9**	**137.7**	**155.6**	**131.3**	**165.8**	**168.7**
REPROCESSED - CARPET	2.6	2.8	1.7	0.8	0.7	14.8	16.7	16.8	17.0	10.5	10.9	9.8	8.1	7.6
- OTHER	19.5	17.0	15.8	15.9	14.1									
REUSED - OTHER	2.6	2.6	2.3	1.9										
TOTAL ABOVE	**247.1**	**271.3**	**203.4**	**136.1**	**147.6**	**163.7**	**154.7**	**161.4**	**153.9**	**148.2**	**166.5**	**141.1**	**173.9**	**176.3**
WOOL CONTENT OF IMPORTS														
TOPS[d]	2.7	0.4	0.3	0.5	0.3	0.4	0.9	0.6	0.4	0.3	0.3	0.5	0.8	3.2
YARNS	7.7	6.3	4.9	5.4	4.1	5.4	5.8	5.5	3.8	3.9	4.7	7.2	7.6	13.2
CARPETS & RUGS	9.2	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	18.1	19.6	34.8	51.1
WOVEN FABRICS[e]	12.4	9.5	12.9	9.6	8.8	12.6	19.1	26.4	22.2	21.5	27.8	25.6	28.1	39.0
KNIT APPAREL	21.3	20.0	15.0	12.7	12.2	18.9	25.8	22.3	19.1	24.4	22.8	25.7	30.3	40.0
OTHER APPAREL	9.9	11.2	12.4	11.2	10.7	14.1	18.3	22.6	20.1	17.3	18.1	20.7	28.5	40.9
OTHER MANUFACTURES[f]	3.0	3.3	2.2	1.4	1.1	1.2	1.2	0.9	1.1	0.8	1.3	0.8	1.0	1.3
TOTAL IMPORTS[g]	**66.2**	**63.0**	**61.3**	**53.3**	**48.6**	**66.7**	**85.9**	**92.2**	**80.6**	**85.1**	**93.1**	**100.1**	**131.1**	**188.7**
WOOL CONTENT OF EXPORTS														
CARPET	1.2	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2	0.2	9.3	6.5
OTHER	8.2	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	11.6	10.6	9.6	8.6
TOTAL EXPORTS[g]	**9.4**	**30.6**	**30.8**	**23.0**	**19.2**	**13.9**	**11.5**	**11.6**	**14.0**	**23.8**	**11.8**	**10.8**	**18.9**	**15.1**
NET IMPORTS	**56.8**	**32.4**	**30.5**	**30.3**	**29.4**	**52.8**	**74.4**	**80.6**	**66.6**	**61.3**	**81.3**	**89.3**	**112.2**	**173.6**
TOTAL DISAPPEARANCE	**303.9**	**303.7**	**233.9**	**166.4**	**177.0**	**216.5**	**229.1**	**242.0**	**220.5**	**209.5**	**247.8**	**230.4**	**286.1**	**349.9**
SUPPLY & DEMAND IN CARPETS & RUGS														
CARPET WOOL CONSUMPTION	77.7	79.2	43.1	19.4	16.6	15.5	12.8	13.2	10.9	10.4	10.7	10.3	10.7	9.9
IMPORTS OF CARPETS	9.2	12.3	13.6	12.5	11.4	14.1	14.8	13.9	13.9	16.9	18.1	20.7	28.5	40.9
EXPORTS OF CARPETS	1.2	1.1	1.9	2.5	1.9	2.3	2.0	0.7	0.3	0.3	0.2	0.2	0.1	0.1
TOTAL	**85.7**	**90.4**	**54.8**	**29.4**	**26.1**	**27.3**	**25.6**	**26.4**	**24.5**	**27.0**	**29.0**	**30.8**	**39.1**	**50.7**
% Imports of Total	*10½*	*13½*	*25*	*42½*	*43½*	*51½*	*58*	*52½*	*56½*	*62½*	*62½*	*67*	*73*	*81*
SUPPLY & DEMAND IN ALL OTHER PRODUCTS														
OTHER WOOL CONSUMPTION	169.4	192.1	160.3	116.7	131.0	148.2	141.9	148.2	143.0	137.8	132.2	130.8	154.0	160.0
IMPORTS	57.0	50.7	47.7	40.8	37.2	52.6	71.1	78.3	66.7	68.2	75.0	79.4	102.6	147.8
EXPORTS	8.	29.5	28.9	20.5	17.3	11.6	9.5	10.9	13.7	23.5	11.6	10.6	9.6	8.6
TOTAL	**218.2**	**213.3**	**179.1**	**137.0**	**150.9**	**189.2**	**203.5**	**215.6**	**196.0**	**182.5**	**218.8**	**199.6**	**247.0**	**299.2**
% Imports of Total	*26*	*24*	*26½*	*30*	*24½*	*28*	*35*	*36½*	*34*	*37½*	*34½*	*40*	*42*	*49*

Source: Cotton and Wool Outlook & Situation, U.S. Department of Agriculture.

a. Calendar years.

b. Agrees with *Organon's* Selected U.S. Monthly Textile Fiber Data Table.

c. Raw wool consumed on the cotton spinning system.

d. Includes advanced wool.

e. Includes pile fabrics & manufactures, blankets, tapestry & upholstery, press & billiard cloths, car robes, etc.

f. Includes knit fabrics in the piece and miscellaneous manufactures not elsewhere specified.

g. March *Organon* page 45 or as revised later.

NOVEMBER 1985 CAPACITY SURVEY ANALYSIS

Capacity Utilization Fell

During **1985,** capacity utilization rates fell over 7% from 1984 levels. Based on annualized January-November production data and November 1985 Capacity Survey results, the capacity utilization rate for the U.S. man-made fiber industry stood at 71.3%, as compared to 78.4% in 1984 (Graph 1).

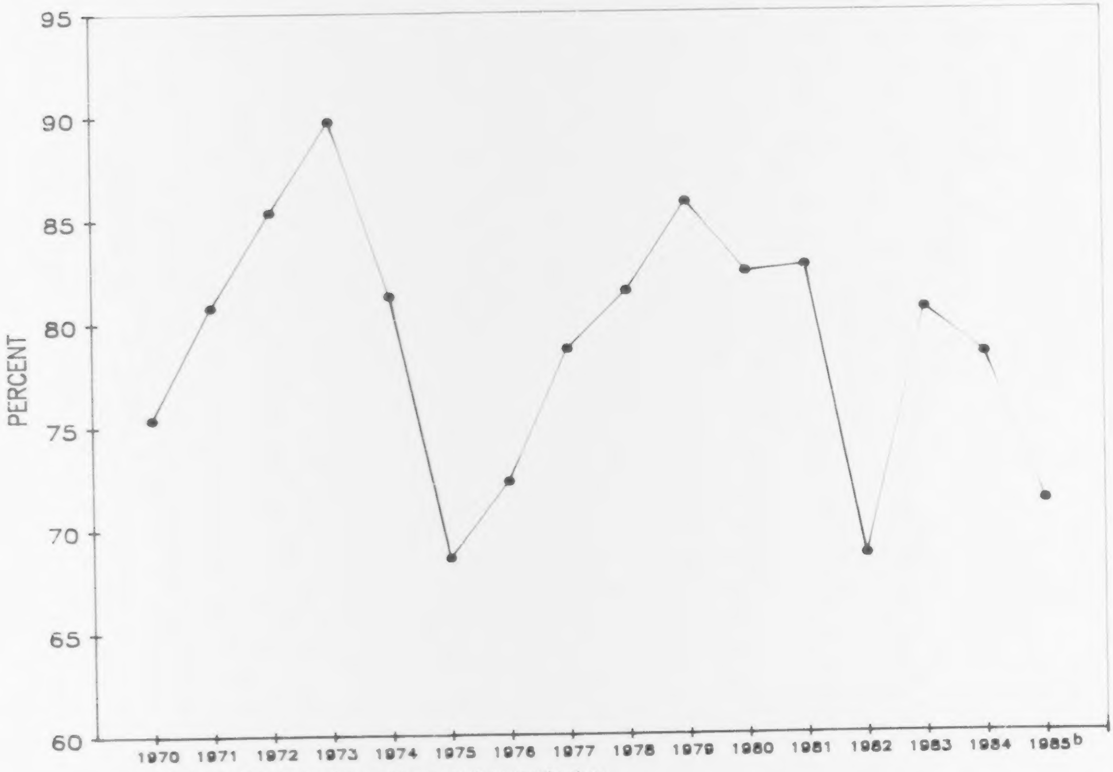
Despite falling capacity utilization rates, the total industry capacity (excluding textile glass) increased slightly to 10,372 million pounds, up ½% from the 10,335 million pounds recorded in the November 1984 Survey.

Since November 1984, the filament yarn capacity grew from 4,509 million pounds to 4,698 million pounds with major increases in nylon carpet and olefin.

However, the increase in capacity for olefin is mainly due to a more thorough response and not because of additional capacity coming on stream (Table 10).

Capacity for noncellulosic staple+tow in 1985 stood virtually the same as recorded in 1984, at 4,890 million pounds (Table 10).

GRAPH 1:
INDUSTRY CAPACITY UTILIZATION[a]



a. Cellulosic and noncellulosic fiber excluding textile glass.

b. Utilization based on November 1985 capacity survey and annualized January-November production data.

TABLE 9:
U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS & *Average Denier*

	CELLULOSIC FIBERS								NONCELLULOSIC FIBERS[a]				GRAND TOTAL MAN-MADE FIBERS		
	FILAMENT YARN+MONOFIL				STAPLE+TOW										
		ACETATE[b]													
PERIOD	RAYON	LBS	*DENIER*	TOTAL	RAYON	ACETATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	TEXTILE GLASS TOTAL[c]	YARN[d] +MONO	STAPLE +TOW	TOTAL
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	867	4967	4598	9565
1981	48	257		305	461	4	465	770	3815	4191	8006	1041	5161	4656	9817
1982	33	195		228	355	1	356	584	3057	3403	6460	899	4184	3759	7943
1983	36	228		264	375	1	376	640	3568	3970	7538	1169	5001	4346	9347
1984	41	198		239	389	+	389	628	3525	3947	7472	1394	5158	4336	9494
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970[e]	360	494	*NA*	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971[e]	337	490	*NA*	827	757	30	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972[e]	235	486	*NA*	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973[e]	224	473	*NA*	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974[e]	172	449	*NA*	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975[e]	100	384	*NA*	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976[e]	85	399	*NA*	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977[e]	85	315	*89*	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978[e]	83	330	*87*	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979[e]	75	355	*89*	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980[e]	63	324	*88*	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981[e]	52	332	*95*	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
NOV 1982[e]	63	318	*96*	381	510	4	514	895	4583	4781	9364	1718	6682	5295	11977
NOV 1983[e]	63	268	*95*	331	510	4	514	845	4477	4827	9304	1618	6426	5341	11767
NOV 1984[e]	63	268	*95*	331	510	4	514	845	4509	4981	9490	1743	6583	5495	12078
NOV 1985[e]				269[g]	510	5	515	784	4698	4890	9588	1769	6736	5405	12141
MAY 1986[f]				269[g]	510	5	515	784	4719	4889	9608	1818	6806	5404	12210
NOV 1986[f]				269[g]	510	5	515	784	4827	4941	9768	1848	6944	5456	12400
MAY 1987[f]				269[g]	510	5	515	784	4893	5083	9976	1863	7025	5598	12623
NOV 1987[f]				269[g]	510	5	515	784	4911	5083	9994	1863	7043	5598	12641

[a] Included are those listed in the November ***Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

[b] Data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

[c] Textile glass fiber, all types.

[d] Grand Total Yarn means the yarn+mono shown **plus** all textile glass fiber

[e] Actual producing capacity as of the date shown.

[f] Future producing capacity planned for certain dates as of MAY 1986.

[g] Detail withheld due to disclosure.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in Table 10 on page 258 cover the man-made fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. The glass fiber data are included with the filament yarn totals. The "capacity" to produce waste is ***not*** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is ***emphasized*** that all figures refer to ***current*** and ***planned*** capacity. ***They are not to be interpreted as a production forecast.***

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect ***potential***, rather than ***operating***, capacity.

TABLE 10:
NONCELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & *Average Denier*

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLU-LOSIC TOTAL
	NYLON+ARAMID				POLYESTER			*OLEFIN[a]			OTHER[c]	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON	TOTAL	
	IND	CARP	TEXTILE		IND	TEXTILE		YARN	MONO[b]	FILM[b]								
			LBS	DEN		LBS	DEN											
NOV 1970[d]	480	428	569	*NA*	294	316	*NA*	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971[d]	463	531	522	*NA*	337	559	*NA*	89	163	113	19	2796	460	698	1355	107	2620	5416
NOV 1972[d]	469	626	559	*NA*	364	892	*NA*	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973[d]	466	707	534	*NA*	385	1118	*NA*	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974[d]	483	770	552	*NA*	403	1351	*NA*	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975[d]	503	786	553	*NA*	391	1576	*NA*	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976[d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977[d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978[d]	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979[d]	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980[d]	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981[d]	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982[d]	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983[d]	440	907	494	*52*	337	1170	*122*	240	375	484	30	4477	1017	826	2704	280	4827	9304
NOV 1984[d]	437	926	470	*57*	342	1162	*121*	270	386	486	30	4509	1054	807	2784	336	4981	9490
NOV 1985[d]	437	965	466	*53*	374	1097	*126*	304	412	613	30	4698	1067	631	2785	407	4890	9588
MAY 1986[e]	437	973	416	*51*	384	1103	*127*	309	437	630	30	4719	1102	582	2787	418	4889	9608
NOV 1986[e]	437	980	425	*52*	399	1083	*127*	369	442	662	30	4827	1112	592	2787	450	4941	9768
MAY 1987[e]	437	1020	425	*52*	399	1083	*127*	380	453	666	30	4893	1117	607	2889	470	5083	9976
NOV 1987[e]	437	1020	425	*52*	399	1083	*127*	387	464	666	30	4911	1117	607	2889	470	5083	9994

Note: As of the November 1983 survey, nylon capacity data no longer include Aramid fiber.

NA means not available.

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more; **CARP** means bulked continuous filament yarn for carpets; **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

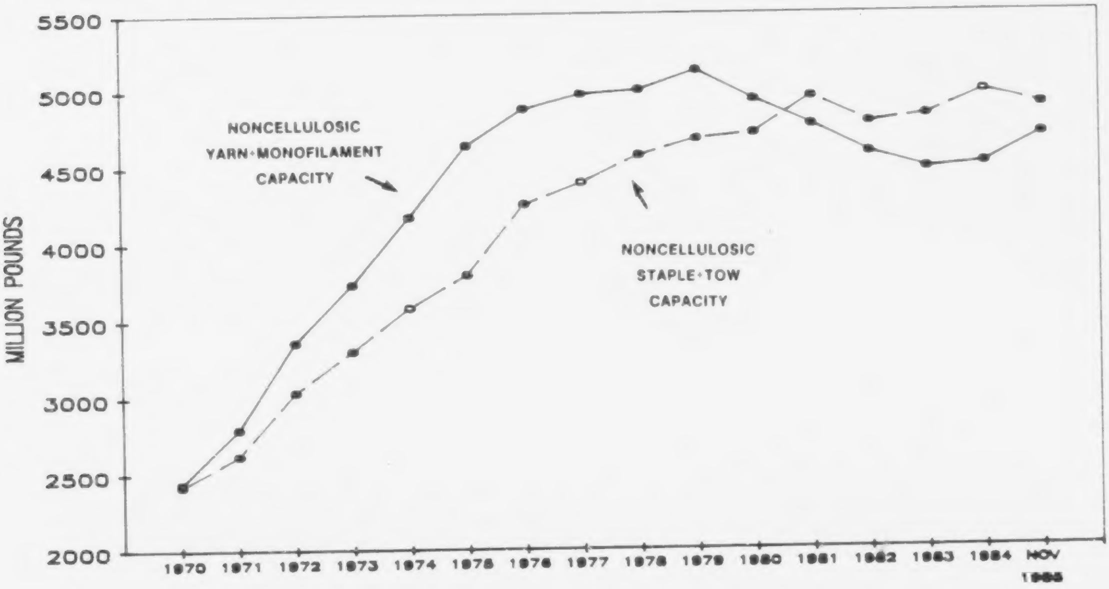
c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

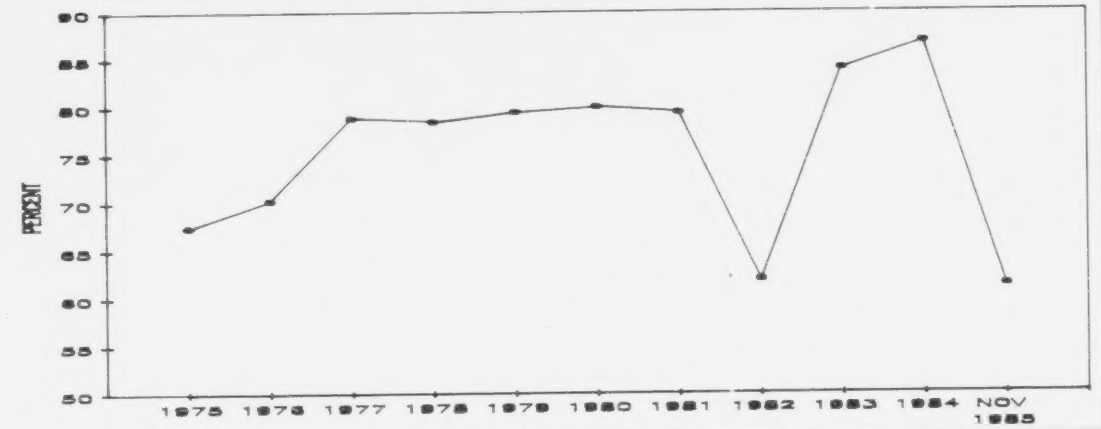
d. Actual producing capacity as of date shown.

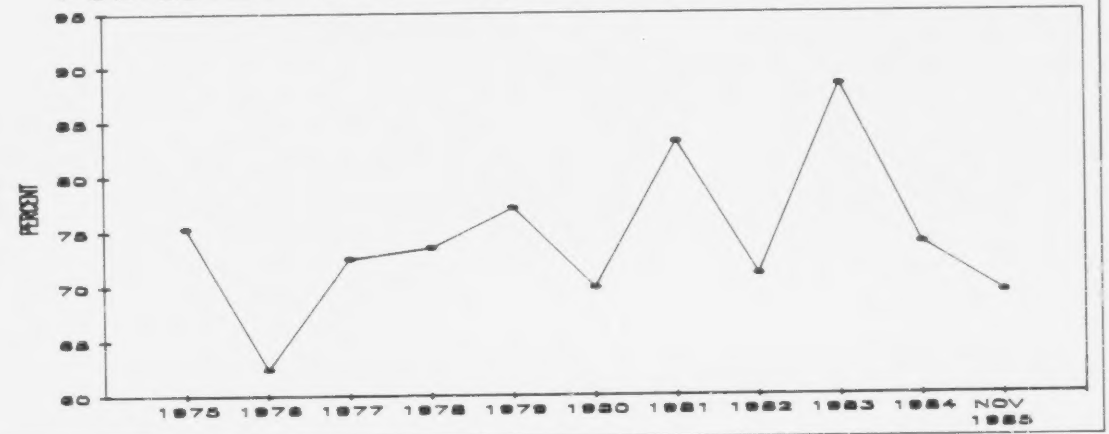
e. Future producing capacity planned for certain & dates as of May 1986.

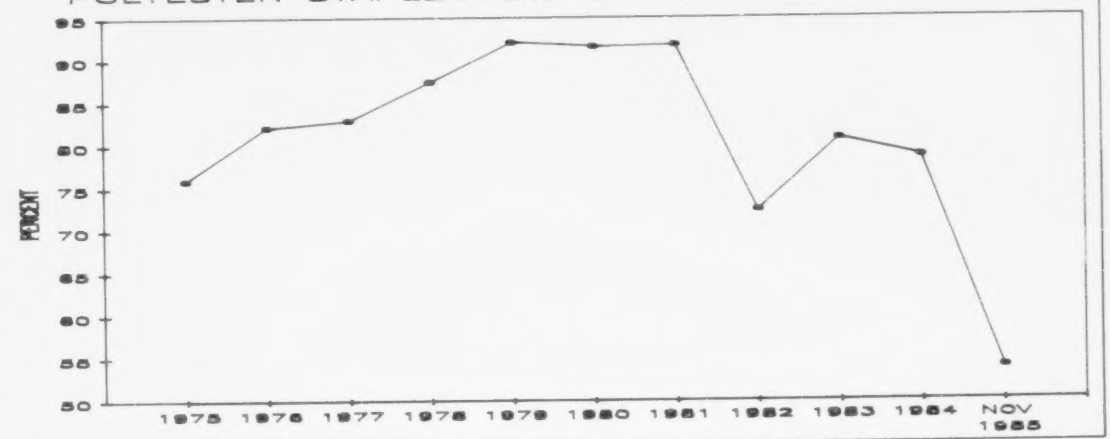
* **The increase in capacity for Olefin Monofilament and Film Fiber is due to a more thorough response and not because of additional capacity coming on stream.**

GRAPH 2:
NONCELLULOSIC YARN+MONOFILAMENT CAPACITY VS. STAPLE+TOW CAPACITY




GRAPH 3:
NYLON CARPET YARN CAPACITY UTILIZATION


GRAPH 4:
POLYESTER TEXTILE YARN CAPACITY UTILIZATION


GRAPH 5:
POLYESTER STAPLE+TOW CAPACITY UTILIZATION

TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE

The U.S. man-made fiber balance of trade fell in October as the net-export balance of trade declined to 38.2 million pounds, down 1.3% from the 38.7 million pound export balance in September.

Falling imports and exports of man-made fiber resulted in the declining trade balance. Imports of fiber totaled 28.1 million pounds, down 11.4% from the 31.7 million pounds imported in September. October exports of fiber amounted to 66.2 million pounds, a decline of 5.8% from the 70.3 million pounds exported the previous month.

The balance of trade for October is 4½% higher than the trade balance of October 1984. Exports in October have increased almost 13% over the level of last October, and imports advanced over 28% during the same period.

OCTOBER DETAIL

The net-export balance in October in noncellulosic staple+tow declined 23.5% to 14.1 million pounds, whereas the net-export balance in noncellulosic yarn+monofilaments dropped over 6% to 18.1 million pounds.

The balance of trade for cellulosic staple+tow improved by 118% in October to 2.4 million pounds.

In October, the balance of trade for cellulosic yarn+monofilament fell by 27.3% to 0.8 million pounds.

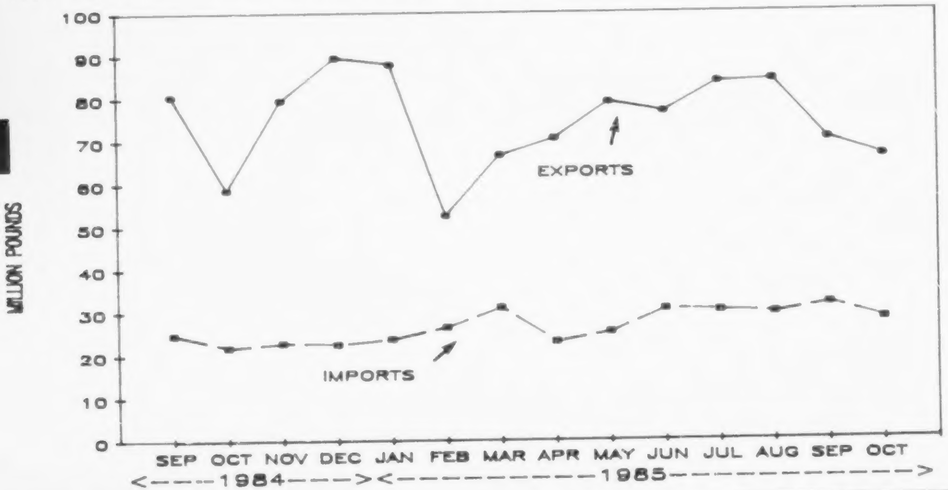
The noncellulosic staple+tow balance of trade declined in October as exports fell by almost 11% and imports dropped nearly 8%.

The balance of trade for noncellulosic yarn+monofilaments is down in October, as imports fell 14.4% and exports declined by 8.8%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ORGANON.

GRAPH 6:
IMPORTS VS EXPORTS OF MAN-MADE FIBER



GRAPH 7:
MAN-MADE FIBER MONTHLY TRADE BALANCE

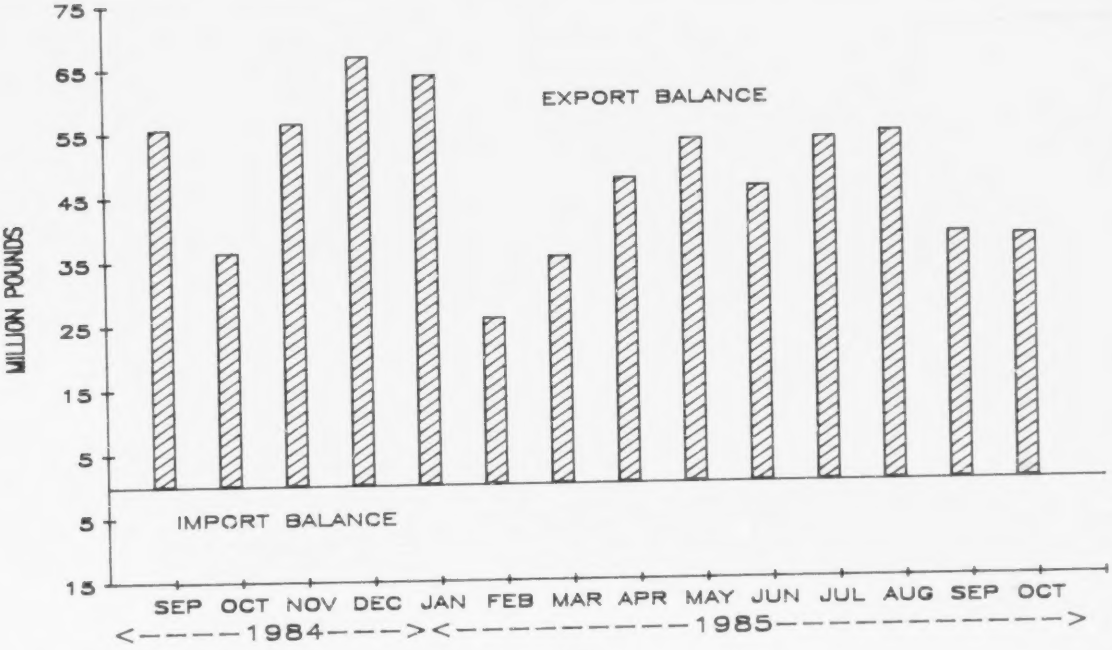


TABLE 11:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1984				1985									
	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
CELLULOSIC YARN+MONOFILAMENTS	0.1 I	0.1 E	0.1 I	1.2 I	0.3 I	0.7 I	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I
CELLULOSIC STAPLE+TOW	1.7 E	1.9 E	1.1 E	3.1 E	1.6 E	0.8 E	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E
NONCELLULOSIC YARN+MONOFILAMENTS	19.1 E	10.6 E	14.7 E	19.6 E	14.5 E	12.2 E	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E
NONCELLULOSIC STAPLE+TOW	31.0 E	22.1 E	38.7 E	40.4 E	45.0 E	16.6 E	23.4 E	24.9 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E
CELLULOSIC WASTE	0.2 E	0.1 I	0.2 E	0.1 E	+	+	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E	+
NONCELLULOSIC WASTE	4.0 E	2.0 E	2.1 E	5.0 E	3.2 E	2.8 I	0.7 I	+	2.2 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E
TOTAL	55.9 E	36.6 E	56.7 E	67.0 E	64.0 E	26.1 E	35.6 E	47.6 E	53.6 E	46.2 E	53.6 E	54.5 E	38.7 E	38.2 E

I means net-import balance.
E means net-export balance.

TABLE 12:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR-TO-DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	4	30	4	2	7	2	15	+	5			69	125
OTHER[b]	310.0026	811	117	971	765	697	816	841	873	535	771			7197	8101
MONOFILAMENTS	309.0110	0	0	0	60	4	0	0	9	0	6			79	12
STRIPS	309.2210	0	7	0	0	0	0	0	0	30	0			37	63
SUBTOTAL ABOVE		**811**	**128**	**1001**	**829**	**703**	**823**	**843**	**897**	**565**	**782**			**7382**	**8301**
STAPLE+TOW-RAYON	309.4222	2925	2042	3375	4870	2144	4517	1486	5258	1713	3434			31764	47407
STAPLE-ACETATE	309.4219	12	133	140	133	70	295	203	102	166	138			1392	1871
SUBTOTAL ABOVE		**2937**	**2175**	**3515**	**5003**	**2214**	**4812**	**1689**	**5360**	**1879**	**3572**			**33156**	**49278**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**72**	**119**	**161**	**113**	**137**	**141**	**94**	**48**	**114**	**69**			**1068**	**1352**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	2478	2450	2480	2073	1961	1467	2065	3201	2640	2472			23287	27391
- HIGH TENACITY[c]	310.0027	4921	6044	6255	5527	7101	4516	4898	5777	7480	5838			58357	53337
- OTHER	310.0029	883	1002	954	824	610	600	584	657	842	870			7826	11475
POLYESTER-TEXTURED	310.0010	7465	5968	5803	13481	10315	16481	15935	13323	9756	10519			109046	66442
- HIGH TENACITY[c]	310.0032	865	795	641	946	4285	4748	3641	4365	4330	3308			27924	7225
- OTHER	310.0034[d]	2458	102	422	295	1114	759	382	781	822	622			7757	3910
OTHER - TEXTURED	310.0014	264	588	1152	258	509	636	1154	1024	1365	658			7608	6305
- OLEFIN	309.0040	52	5	61	18	47	67	49	63	28	38			428	322
- OTHER	310.0044	557	572	607	711	655	1741	810	394	358	277			6682	4427
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	231	195	189	136	288	237	135	176	205	280			2072	2206
POLYESTER[e]	309.0140	667	434	470	472	533	501	403	720	440	353			4993	2755
OTHER	309.0170	1060	996	908	1335	894	706	422	1132	1123	1263			9839	8467
STRIPS	309.2220 & .2270	427	339	346	316	296	646	335	168	290	573			3736	4011
SUBTOTAL ABOVE		**22328**	**19490**	**20288**	**26392**	**28608**	**33105**	**30813**	**31781**	**29679**	**27071**			**269555**	**198273**
STAPLE - NYLON	309.4240	1180	471	783	1269	491	992	795	1322	969	1191			9463	11928
- POLYESTER	309.4242	23227	9880	18988	16125	22416	18365	17503	15824	11994	8141			162463	120424
- ACRYLIC	309.4245	21821	12541	11117	11634	10587	5923	17806	13538	11970	12154			129091	134282
- OLEFIN	309.4246	1039	261	620	442	750	791	137	576	972	447			6035	3416
- OTHER	309.4247	755	875	890	775	1217	944	821	1162	550	1282			9271	7454
GROUPED FILAMENTS															
NYLON	309.3220	211	95	51	142	24	390	142	295	114	122			1586	2681
POLYESTER[d]	309.3240	3251	1302	2292	2519	3107	2775	3484	3062	2209	1760			25761	19693
ACRYLIC	309.3250 & .3255	3372	2291	1957	2543	3648	1600	2974	2563	2293	2471			25712	29203
SUBTOTAL ABOVE		**54856**	**27716**	**38698**	**35449**	**42240**	**31780**	**43662**	**38342**	**31071**	**27568**			**369382**	**329081**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	303	196	237	297	345	159	200	743	1393	582			4455	9933
- POLYESTER	309.7630	4721	2235	3165	1606	3530	4091	4135	4105	3611	3923			35122	48620
- ACRYLIC	309.7640	419	214	716	111	176	391	298	810	169	854			4158	3800
- OTHER	309.7660	1405	342	873	803	1012	1380	1907	2020	1852	1804			13398	13334
SUBTOTAL ABOVE		**6848**	**2987**	**4991**	**2817**	**5063**	**6021**	**6540**	**7678**	**7025**	**7163**			**57133**	**75687**
TOTAL MAN-MADE FIBER ABOVE		**87852**	**52615**	**66654**	**70603**	**78965**	**76682**	**83641**	**84106**	**70333**	**66225**			**737676**	**661972**
TEXTILE GLASS FIBER	309.2700 & .9700	7000	3868	7463	5183	5044	5110	4786	4232	4100	1279			48065	47501
GRAND TOTAL ABOVE		**94852**	**56483**	**74117**	**75786**	**84009**	**81792**	**88427**	**88338**	**74433**	**67504**			**785741**	**709473**

SOURCE: U.S. Census Bureau Report EM546

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 13:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1985												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1985	1984
CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	120	131	140	185	199	256	138	293	284	310			2056	2022
MEXICO	33	40	36	138	64	183	122	81	222	176			1095	612
FRANCE	27	0	0	30	0	0	0	0	30	0			87	357
GERMANY, FED. REP. OF	686	424	358	169	382	645	360	547	729	412			4712	3706
NETHERLANDS	77	76	84	145	36	209	101	128	130	200			1186	458
JAPAN	96	73	10	66	9	58	0	85	83	54			534	518
REP. OF KOREA	0	0	0	22	9	130	0	80	120	180			541	190
ALL OTHER COUNTRIES[a]	71	60	112	91	91	145	162	88	107	246			1173	272
TOTAL CELL. YARN	1110	804	740	846	790	1626	883	1302	1705	1578			11384	8135
CELLULOSIC STAPLE+TOW														
CANADA	788	662	561	548	522	348	556	545	649	516			5695	6922
AUSTRIA	62	88	19	20	0	20	0	153	0	178			540	1688
SWEDEN	314	368	271	595	1	0	189	90	0	0			1828	3390
UNITED KINGDOM	162	268	180	53	52	62	47	144	81	115			1164	1025
JAPAN	20	32	59	92	91	5	29	100	68	77			573	1230
ALL OTHER COUNTRIES[b]	35	0	223	0	50	2	1	38	7	273			629	196
TOTAL CELL. STAPLE+TOW	1381	1418	1313	1308	716	437	822	1070	805	1159			10429	14451
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	962	716	939	1085	1038	1507	1924	2334	1160	1599			13264	15233
COSTA RICA	0	0	30	0	7	31	1	14	168	47			298	369
MEXICO	624	588	923	566	435	1099	766	687	471	681			6840	12620
AUSTRIA	83	109	89	126	43	44	31	54	35	117			731	277
BELGIUM	205	454	949	519	540	1084	642	404	747	419			5963	64
FRANCE	682	441	320	314	104	471	375	546	519	335			4107	2364
GERMANY, FED. REP. OF	1676	1879	2645	1170	1639	1308	1368	739	1392	1021			14837	13942
ITALY	1528	911	925	258	529	2020	1581	1391	1027	1514			11684	6239
NETHERLANDS	93	1	37	54	98	79	136	53	91	19			661	567
SPAIN	1	0	+	0	2	1	0	2	+	7			13	339
SWITZERLAND	35	26	32	14	32	26	10	126	548	876			1725	426
UNITED KINGDOM	591	612	807	575	638	629	517	330	246	520			5465	3840
ISRAEL	78	274	98	182	286	278	142	232	363	181			2114	1435
JAPAN	584	793	473	875	724	462	475	332	277	818			5813	13116
REP. OF KOREA	3	1	1	4	1	0	1	0	20	8			39	294
TAIWAN	9	1	21	19	33	38	30	7	59	63			280	527
ROMANIA	88	0	0	0	22	0	0	0	44	0			154	551
SOUTH AFRICA	286	209	1618	986	1189	1260	902	966	1889	633			9938	2997
ALL OTHER COUNTRIES[c]	242	290	184	748	372	423	949	383	1393	168			5152	916
TOTAL N.C. YARN	7770	7305	10091	7495	7732	10760	9850	8600	10449	9026			89078	76116
NONCELLULOSIC STAPLE+TOW														
BRAZIL	278	415	935	0	670	536	55	264	72	24			3249	1018
CANADA	1640	2153	1296	2287	2591	2214	2085	2626	2439	2394			21725	11213
COSTA RICA	86	330	187	260	144	189	400	221	329	242			2388	2102
MEXICO	1111	433	772	345	420	953	623	587	970	455			6669	15259
BELGIUM	127	85	12	67	18	20	18	57	59	15			478	421
FRANCE	920	1032	923	621	392	656	1177	1041	616	566			7944	4189
GERMANY, FED. REP. OF	1656	1970	1670	1456	2367	2402	3090	2897	2683	3669			23860	26069
ITALY	527	411	2448	481	506	1639	2162	2475	1313	1534			13496	11018
NETHERLANDS	74	27	67	29	32	3	40	33	27	32			364	608
SWITZERLAND	18	146	11	71	19	40	22	14	21	35			397	355
UNITED KINGDOM	740	1287	879	847	1619	1387	1380	1133	778	889			10939	12577
ISRAEL	0	1	55	77	127	262	95	150	65	126			958	161
JAPAN	1154	1247	1567	1982	2289	2345	1693	2628	2682	1728			19315	12455
REP. OF KOREA	37	170	165	928	475	346	317	345	579	385			3747	352
TAIWAN	1301	1033	2115	865	1290	1354	2199	1313	1661	1021			14152	10008
ROMANIA	83	88	95	36	29	99	136	29	201	80			876	1711
SOUTH AFRICA	49	131	0	25	57	24	27	28	83	52			476	451
ALL OTHER COUNTRIES[d]	43	101	44	190	160	159	164	48	147	260			1316	850
TOTAL N.C. STAPLE+TOW	9844	11060	13241	10567	13205	14628	15683	15889	14725	13507			132349	110817

+ Means a nominal poundage

Other countries supplying 1985 poundages are

a. Australia 1, Austria 22, Belgium 22, Brazil 533, Egypt 20, Hong Kong 12, Ireland 112, Italy 6, China, PRC 3, Sweden 10, Taiwan 90, Thailand 36, United Kingdom 306

b. Belgium 3, Brazil 1, Fed. Rep. of Germany 44, Finland 79, France 14, Hong Kong 2, Italy 43, Mexico 259, Netherlands 3, Romania 16, Taiwan 165

c. Argentina 19, Australia 1089, Brazil 233, Denmark 144, German Dem. Rep. 24, Hong Kong 4, Iran 51, Ireland 218, Lebanon +, Morocco 55, Norway 204, Portugal 2, China, PRC 2, Singapore 69, Solomon Islands 10, Sweden 194, Turkey 47, Yugoslavia 2787

d. Australia 190, Austria 181, Denmark 113, Finland 289, Hong Kong 5, Iceland 35, India 21, Ireland 267, Jordan 16, Kiribati 29, Philippines +, Portugal +, Spain 1, Sweden 35, Turkey 8, Yugoslavia 126

TABLE 14:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & 0206	0	0	38	41	0	0	0	37	16	44			176	1429
OTHER	310.0130 & 0230[a]	1105	751	697	726	748	1547	723	1164	1622	1483			10566	6541
MONOFILAMENTS	309.0310 & 0610	0	17	1	0	0	0	0	0	1	0			19	5
STRIPS, $1/LB & UNDER	309.2000*	5	36	4	79	42	79	160	101	66	51			623	160
SUBTOTAL ABOVE		**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**	**1578**			**11384**	**8135**
STAPLE	309.4320 & 4325	1319	1255	1255	1186	610	408	745	877	761	1042			9458	13201
GROUPED FILAMENTS	309.3010 & 3110	62	163	58	122	106	29	77	193	44	117			971	1250
SUBTOTAL ABOVE		**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**805**	**1159**			**10429**	**14451**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & 7510[b]	**96**	**73**	**0**	**41**	**0**	**0**	**78**	**0**	**0**	**44**			**332**	**438**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0109 & 0209	2115	1670	2496	1646	992	4129	3940	3733	4263	3886			28870	14871
- POLYESTER	310.0110 & 0210	654	758	2492	1531	1834	1670	1394	1065	1848	1061			14307	9264
- OTHER	310.0114 & 0214	1157	1238	1081	816	1002	1263	1265	1031	1018	1391			11262	7080
OTHER - NYLON	310.0149 & 0249	2037	1819	1450	2132	1950	1961	1783	1219	727	1174			16252	25251
- POLYESTER	310.0150 & 0250	1336	1326	2183	838	1483	1291	1017	1263	2112	1113			13962	13905
- OTHER	310.0170 & 0270[c]	179	243	140	182	281	108	136	75	107	125			1576	2170
MONOFILAMENTS	309.0200 & 0330[d]	240	133	190	238	118	196	204	103	241	154			1817	2645
STRIPS, OVER $1/LB	309.2100 & 2500*	52	118	59	112	72	142	111	111	133	122			1032	930
SUBTOTAL ABOVE		**7770**	**7305**	**10091**	**7495**	**7732**	**10760**	**9850**	**8600**	**10449**	**9026**			**89078**	**76116**
STAPLE - NYLON	309.4338	2329	1897	4525	2186	2030	3786	4667	5085	2733	3553			32791	31420
- POLYESTER	309.4342	1623	2018	1854	2551	2736	2382	2233	2149	2880	2050			22476	19669
- ACRYLIC	309.4345	1392	967	1073	1089	1102	1385	1483	2073	2388	1115			14067	11719
- OLEFIN	309.4346	38	169	270	355	583	796	472	841	737	733			4994	1811
- OTHER	309.4355	1838	1645	2997	894	2464	2233	1949	2155	2570	1946			20691	13287
GROUPED FILAMENTS															
NYLON	309.3030 & 3130[l]	1742	3045	1957	2013	3112	2351	3233	2381	1865	2931			24630	19338
POLYESTER	309.3040 & 3140[m]	372	335	188	270	160	668	921	464	519	325			4222	6095
ACRYLIC	309.3050 & 3150[n]	440	832	273	916	935	761	530	500	867	404			6458	6058
OTHER	309.3065 & 3165[o]	70	152	104	293	83	266	195	241	166	450			2020	1420
SUBTOTAL ABOVE		**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**	**13507**			**132349**	**110817**
WASTE, NOT ADVANCED															
- NYLON	309.6625	3094	4321	3549	1975	1905	1757	1943	1888	2742	1807			24981	27045
- POLYESTER	309.6630	445	950	1386	435	474	1001	391	259	414	332			6087	7077
- ACRYLIC	309.6645	+	0	10	20	58	0	0	53	61	61			263	38
- OTHER	309.6660	12	197	169	37	37	291	126	328	323	174			1694	3500
NOILS & GARNETTED FIBERS	309.6000 & 7000*	0	0	62	31	0	0	0	31	0	0			124	302
OTHER WASTE, ADVANCED	309.7525 - 7555	44	368	498	334	431	52	408	176	450	413			3174	5804
SUBTOTAL ABOVE		**3595**	**5836**	**5674**	**2832**	**2905**	**3101**	**2868**	**2735**	**3990**	**2787**			**36323**	**43766**
TOTAL MAN-MADE ABOVE		**23796**	**26496**	**31059**	**23089**	**25348**	**30552**	**30184**	**29596**	**31674**	**28101**			**279895**	**253723**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	0	+	1	0	0	0	0	0	0			1	1
- NONCELLULOSIC	310.1015* & 1109[f]	1106	665	740	248	365	747	1052	910	1203	960			7996	10288
OTHER - CELLULOSIC	310.1030 & 1135[g]	48	18	17	6	27	130	17	68	+	55			386	149
- NONCELLULOSIC	310.1050 & 1070[h]	346	503	337	392	894	480	340	404	116	48			3860	2320
SPUN YARN - CELLULOSIC	310.4005 & 4030[i]	83	143	119	110	168	143	160	150	253	97			1426	1387
- OTHER	310.4015 & 4027[j]	2643	1623	2810	2749	4479	3393	2901	2315	4283	2514			29710	30996
OTHER YARNS - NES. INCL. CHENILLE	310.6029 - 8000	682	296	626	250	1126	1143	668	832	1096	722			7441	6385
HANDWORK YARNS & SEWING THREAD	310.9000 - 9140[p]	451	462	739	833	851	780	742	674	995	767			7294	4537
SLIVER, TOPS & ROVING	309.9000	205	241	410	131	227	165	149	44	111	78			1761	4151
TEXTILE GLASS FIBER	309.2800 & 2900[k]	2454	1496	3565	3438	2160	3771	2589	2727	3063	1975			27238	20658
GRAND TOTAL ABOVE		**31814**	**31943**	**40422**	**31247**	**35645**	**41304**	**38802**	**37720**	**42794**	**35317**			**367008**	**334595**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 309.6615.

[c] Also includes 310.0530, .0550, .0630 & .0650.

[d] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[e] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[f] Also includes 310.1110 & .1114.

[g] Also includes 310.2010 & .2110.

[h] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[i] Also includes 310.5005 & .5030.

[j] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[k] Chiefly roving. Also includes 309.9800 & .9900.

[l] Also includes 309.3200.

[m] Also includes 309.3340.

[n] Also includes 309.3350.

[o] Also includes 309.3365.

[p] Also includes 310.9300 & .9500.

TABLE 15:
FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1984				1985			
		1981	1932	1983	1984	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(A) ACETATE		(N) NYLON *				(P) POLYESTER				(O) OLEFIN			
HOSIERY[b]	N	107.0	92.3	104.3	101.5	27.8	25.6	24.1	24.0	25.2	25.0	24.8	
OTHER CIRCULAR KNIT[c]	N	48.2	25.7	24.5	17.6	4.2	5.1	4.5	3.8	3.1	3.2	3.0	
	P	345.6	228.4	293.7	174.7	55.7	42.0	33.8	43.2	33.1	46.9	58.6	
	A	3.6	1.6	2.1	2.3	0.4	1.0	0.6	0.3	0.3	NA	NA	
FLAT KNIT	A	98.7	71.7	79.1	67.2	18.1	19.8	15.1	14.2	15.5	NA	NA	
	N	163.2	130.8	162.2	135.2	40.4	33.0	29.4	32.4	36.0	33.4	35.9	
	P	98.4	87.0	116.6	137.3	32.7	36.0	34.0	34.6	37.1	39.5	38.9	
CARPET FACE	N	633.6	559.5	734.6	770.2	191.1	197.7	191.3	190.1	163.9	207.5	223.6	
	O	89.5	90.0	147.2	154.1	33.7	36.2	39.1	45.1	44.8	51.2	53.9	
CARPET BACKING[d]	O	195.3	184.7	198.8	227.8	48.1	53.0	51.6	75.1	83.8	93.4	91.0	
OTHER BROAD WOVEN[e]	A	110.7	88.8	113.6	108.8	29.8	30.5	27.2	21.3	19.5	NA	NA	
	N	89.2	82.2	83.6	90.7	20.5	24.7	23.9	21.6	16.9	16.3	17.7	
	P	440.2	367.0	489.9	392.2	104.8	93.9	92.5	101.0	96.1	107.2	102.5	
	O	200.7	172.5	201.1	190.3	47.4	50.5	43.8	48.6	54.6	60.1	55.6	
NARROW WOVEN[f]	A	8.6	2.9	1.7	0.7	0.1	0.3	0.3	*	0.1	NA	NA	
	N	34.0	30.2	35.3	39.9	10.8	10.1	9.2	9.8	7.8	7.7	8.3	
	P	28.1	28.1	35.5	38.7	8.6	8.8	10.2	11.1	9.6	9.5	10.2	
	O	12.6	12.1	15.0	14.9	3.7	3.8	3.8	3.6	3.8	4.0	3.9	
TIRES, INCL. CHAFER	N	204.7	147.9	145.5	172.9	42.4	45.5	38.6	46.4	42.7	36.4	32.3	
	P	174.8	168.9	174.1	174.4	44.6	44.5	44.8	40.5	44.5	40.2	34.2	
OTHER RUBBER INDUSTRY[g]	N	25.7	17.3	16.3	20.9	5.1	5.6	5.5	4.7	4.6	3.7	3.5	
	P	35.1	26.7	27.8	32.7	8.1	9.9	7.8	6.9	7.2	8.2	8.3	
ROPE, CORDAGE & FISHLINE	N	30.6	29.1	31.7	35.0	8.7	9.9	8.4	8.0	8.6	8.6	8.7	
	P	15.8	14.4	12.2	15.7	4.5	3.9	3.5	3.8	3.1	3.7	3.9	
	O	92.1	84.8	95.5	106.9	28.4	27.9	23.1	27.5	28.8	29.8	23.2	
ALL OTHER[h]	A	4.7	4.0	1.1	1.1	0.3	0.3	0.2	0.3	0.4	NA	NA	
	N	68.1	50.6	54.4	54.2	14.1	13.5	14.0	12.6	14.9	11.2	11.1	
	P	292.0	214.3	144.6	179.2	32.9	47.1	50.3	48.9	59.4	56.4	52.6	
	O	38.1	32.9	41.0	31.6	8.0	8.8	8.2	6.6	7.8	7.5	6.8	
TOTAL ABOVE	**A**	**226.3**	**169.0**	**197.6**	**180.1**	**48.7**	**51.9**	**43.4**	**36.1**	**35.8**	**48.0**[j]	**46.6**[j]	
	N	**1404.3**	**1165.6**	**1392.4**	**1438.1**	**365.1**	**370.7**	**348.9**	**353.4**	**323.7**	**353.0**	**368.9**	
	P	**1430.0**	**1134.8**	**1294.4**	**1144.9**	**291.9**	**286.1**	**276.9**	**290.0**	**290.1**	**311.6**	**309.2**	
	O	**628.3**	**577.0**	**698.6**	**725.6**	**169.3**	**180.2**	**169.6**	**206.5**	**223.6**	**246.0**	**234.4**	
TOTAL DOMESTIC		**3688.9**	**3046.4**	**3582.8**	**3488.7**	**875.0**	**888.9**	**838.8**	**886.0**	**873.2**	**958.6**	**959.1**	
ALSO DIVIDED AS													
APPAREL		1530.0	1128.2	1257.5	1072.1	278.1	308.8	244.0	241.2	252.1	NA	NA	
HOME FURNISHINGS		1129.4	1016.6	1328.7	1354.2	335.3	305.5	339.9	373.5	364.8	NA	NA	
INDUSTRIAL		1029.5	901.6	996.8	1062.4	261.6	274.6	254.9	271.3	256.3	NA	NA	
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		159.6	122.3	127.1	118.7	31.3	30.4	28.1	28.9	28.4	28.7	29.0	
POLYESTER		991.3	737.9	832.4	675.5	173.6	162.1	161.7	178.1	181.0	204.5	206.0	
OLEFIN		33.5	26.8	28.0	23.3	5.9	5.8	6.9	4.7	5.2	5.9	5.2	

NA - Not Available.

*. Includes Aramid in 1981 and 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports.

i. These poundages are included in the Total Domestic area above.

j. Includes Rayon and Acetate.

TABLE 16:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1984				1985			
		1981	1982	1983	1984	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q
(R) RAYON (N) NYLON * (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN													
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	255.6	230.5	237.3	204.8	54.4	57.1	48.5	44.6	48.8	48.9	49.0	
	NPR	8.9	8.8	9.5	6.6	1.4	1.6	1.8	1.8	1.7	1.1	1.3	
PILE FABRICS[b]	A	44.7	36.4	33.0	30.0	8.3	8.9	7.0	5.8	6.6	7.1	6.3	
	P	14.9	15.6	18.2	18.4	4.8	5.0	4.6	4.0	3.9	4.1	3.7	
OTHER CIRCULAR+FLAT KNIT[c]	R	10.9	5.7	3.5	4.3	1.2	0.6	1.2	1.3	0.7	1.3	2.2	
	A	91.6	112.6	129.5	118.5	32.0	35.0	31.0	20.5	27.3	38.3	37.6	
	P	300.7	288.8	354.4	283.0	77.6	76.5	67.5	61.4	67.7	76.7	74.0	
BLANKETS[b]	A	28.1	23.7	27.1	25.2	6.9	5.5	6.7	6.1	6.1	7.4	8.8	
	P	14.8	12.0	10.5	5.5	1.4	1.4	1.5	1.2	0.9	1.9	2.2	
OTHER BROAD WOVEN	R	224.7	146.6	182.1	177.7	48.9	42.8	43.2	42.8	39.0	39.4	44.6	
	N	52.4	56.4	59.0	42.5	12.3	11.0	8.9	10.3	11.4	8.2	8.8	
	A	33.0	25.7	32.5	29.5	9.4	7.4	5.6	7.1	8.8	9.6	9.2	
	P	1107.0	889.0	1062.9	1039.1	272.6	270.6	258.3	237.6	214.1	208.3	212.4	
	O	17.1	16.1	19.4	22.1	5.7	5.3	5.3	5.8	6.4	6.9	6.0	
CARPET FACE YARNS	R	0.3	0.1	0.2	0.3	0.2	+	0.1	+	0.1	0.1	0.1	
	N	617.4	594.4	815.2	751.0	194.6	196.1	179.2	181.1	176.5	190.0	199.4	
	A		Included in All Other										
	P	124.0	114.7	139.0	131.4	31.2	35.6	32.0	32.6	30.7	33.9	30.3	
	O	67.5	76.8	93.6	96.5	22.4	25.2	23.9	25.0	25.2	30.6	27.7	
FIBERFILL[d]	P	226.7	228.4	275.4	276.1	69.2	65.9	65.4	75.6	72.6	65.0	68.6	
FLOCK	NP	13.0	10.2	10.6	9.2	2.3	2.3	2.2	2.4	1.4	1.2	1.3	
	R	5.6	3.1	3.2	2.7	0.7	0.7	0.7	0.6	0.6	0.4	0.6	
NONWOVENS[e,f]	R	124.6	111.9	119.0	126.3	33.8	32.4	32.0	28.1	27.6	28.9	29.0	
	N	3.5	3.8	4.9	2.8	0.9	0.6	0.7	0.6	0.7	0.7	0.5	
	P	149.3	155.2	177.4	177.2	44.6	46.7	42.9	43.0	44.0	39.2	39.5	
	VINYON+O	42.7	39.0	61.5	119.2	25.2	29.6	32.5	31.9	34.0	32.0	34.7	
ALL OTHER	R	29.1	24.3	23.8	18.8	5.5	5.6	3.8	3.9	5.5	6.1	6.0	
	N	10.3	7.7	5.2	9.4	1.1	0.9	3.6	3.8	2.8	2.6	2.9	
	A	41.1	29.0	32.8	38.7	9.6	10.3	8.9	9.9	7.7	8.4	7.7	
	P	60.6	57.8	55.8	56.2	11.7	24.5	7.8	12.2	21.0	30.4	30.8	
	VINYON+O	4.7	7.0	8.9	3.1	0.4	0.9	1.0	0.8	1.6	2.4	2.4	
TOTAL ABOVE	**R**	**396.9**	**293.7**	**333.5**	**331.9**	**90.7**	**82.5**	**81.6**	**77.1**	**73.8**	**76.6**	**82.9**	
	N	**696.4**	**673.3**	**897.1**	**814.4**	**211.1**	**210.6**	**194.5**	**198.2**	**192.8**	**202.7**	**212.9**	
	A	**494.1**	**457.9**	**492.2**	**446.7**	**120.6**	**124.2**	**107.7**	**94.2**	**105.3**	**119.7**	**118.6**	
	P	**2005.4**	**1767.5**	**2099.2**	**1992.2**	**514.2**	**527.7**	**481.3**	**469.0**	**456.3**	**460.2**	**462.4**	
	VINYON+O	**132.0**	**138.9**	**183.4**	**240.9**	**53.7**	**61.0**	**62.7**	**63.5**	**67.2**	**71.9**	**70.8**	
TOTAL DOMESTIC		**3724.8**	**3331.3**	**4005.4**	**3826.1**	**990.3**	**1006.0**	**927.8**	**902.0**	**895.4**	**931.1**	**947.6**	
ALSO DIVIDED AS													
APPAREL		1487.5	1321.7	1461.3	1277.1	341.1	349.9	310.3	275.8	289.0	316.4	314.0	
HOME FURNISHINGS		1442.9	1266.4	1630.0	1559.0	404.7	406.1	375.1	373.1	365.7	380.0	385.2	
INDUSTRIAL		794.4	743.2	914.1	992.1	244.5	250.0	242.4	253.1	240.7	234.7	248.4	

* 1981 and 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon, acrylic and nylon poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

TABLE 17:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1985												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN[k]	**17.3**	**16.7**	**17.7**	**18.6**	**19.0**	**16.4**	**16.2**	**17.5**	**17.5**	**17.6**	**16.9**		**191.4**	**186.1**
NYLON[e] - INDUSTRIAL[f]	32.1	31.0	33.1	27.6	28.7	24.0	26.3	28.4	31.4	25.6	25.8		314.0	344.1
- LOW DENIER INDUSTRIAL[g]	2.6	2.5	2.4	2.5	2.3	1.9	2.0	2.4	2.5	2.5	2.5		26.1	31.8
- CARPET	57.1	51.9	59.5	69.2	72.7	69.9	69.9	79.4	80.0	76.7	66.6		752.9	732.3
- TEXTILE	30.5	27.0	27.5	27.8	27.9	23.5	23.7	27.1	29.1	27.9	26.6		298.6	328.9
POLYESTER - INDUSTRIAL[f]	26.4	24.5	25.3	26.4	25.4	21.6	21.4	23.6	23.8	25.1	24.1		267.6	290.7
- LOW DENIER INDUSTRIAL[g]	1.6	1.6	1.4	2.0	2.0	2.0	1.7	2.0	2.4	2.2	1.9		20.8	21.5
- TEXTILE	69.5	75.6	81.9	89.6	89.3	83.9	80.4	86.7	96.2	87.0	80.5		920.6	790.8
OLEFIN[h]	73.5	75.8	77.9	80.7	83.5	85.6	71.8	84.4	81.4	77.7	77.2		869.5	668.3
TOTAL NONCELLULOSIC ABOVE[i]	**293.3**	**289.9**	**309.0**	**325.8**	**331.8**	**312.4**	**297.2**	**334.0**	**346.8**	**324.7**	**305.2**		**3470.1**	**3208.4**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.0**	**25.0**	**27.7**	**30.0**	**30.5**	**29.6**	**30.4**	**32.8**	**29.7**	**33.6**	**31.2**		**329.5**	**358.3**
NYLON[e]	70.5	60.6	65.0	67.9	71.2	66.7	68.2	74.2	73.7	75.6	68.0		761.6	769.6
ACRYLIC+MODACRYLIC	51.5	55.0	57.8	54.9	56.7	50.5	52.5	55.3	57.5	58.7	48.5		598.9	615.7
POLYESTER	162.4	169.5	175.4	177.4	183.8	162.2	149.4	168.5	173.6	180.8	167.7		1870.7	2009.7
OLEFIN+VINYON	21.4	23.1	23.7	24.5	26.0	23.4	20.5	27.5	26.0	25.1	25.9		267.1	226.0
TOTAL NONCELLULOSIC ABOVE	**305.8**	**308.2**	**321.9**	**324.7**	**337.7**	**302.8**	**290.6**	**325.5**	**330.8**	**340.2**	**310.1**		**3498.3**	**3621.0**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN[k]	**18.2**	**18.2**	**18.9**	**19.2**	**19.2**	**19.4**	**19.9**	**17.9**	**16.6**	**15.2**	**13.4**		**13.4**	**13.1**
NYLON[e] - INDUSTRIAL[f]	28.8	30.6	29.4	32.0	27.5	29.9	32.3	29.7	29.5	28.6	27.2		27.2	27.5
- LOW DENIER INDUSTRIAL[g]	6.2	6.2	6.1	6.1	5.8	5.6	6.0	6.4	6.3	6.0	5.7		5.7	4.6
- CARPET	68.0	69.5	71.1	58.2	51.9	52.9	55.5	49.5	45.2	41.9	45.5		45.5	72.5
- TEXTILE	43.1	45.0	47.7	47.5	46.6	48.2	45.7	39.4	40.1	36.9	37.3		37.3	44.8
POLYESTER - INDUSTRIAL[f]	24.3	23.2	23.9	24.3	26.2	29.2	28.9	27.8	28.5	25.0	21.4		21.4	18.8
- LOW DENIER INDUSTRIAL[g]	2.8	2.7	2.8	2.9	3.8	2.8	3.6	2.7	2.7	2.9	3.0		3.0	4.7
- TEXTILE	79.7	81.6	81.2	80.6	71.2	74.5	80.3	84.2	83.0	84.8	81.1		81.1	78.4
OLEFIN[h]	62.0	64.3	65.9	64.7	63.3	67.2	63.8	62.2	64.1	61.5	62.6		62.6	60.0
TOTAL NONCELLULOSIC ABOVE[i]	**314.9**	**323.1**	**328.1**	**316.3**	**296.3**	**310.3**	**316.1**	**301.9**	**299.4**	**287.6**	**283.8**		**283.8**	**311.3**
STAPLE+TOW+FIBERFILL														
RAYON	**30.3**	**31.3**	**32.4**	**31.1**	**29.5**	**28.1**	**27.5**	**24.3**	**22.4**	**19.8**	**21.5**		**21.5**	**30.4**
NYLON[e]	69.7	72.4	74.1	71.1	70.2	69.1	71.0	66.9	68.6	69.4	68.9		68.9	77.2
ACRYLIC+MODACRYLIC	76.6	75.0	76.1	77.2	75.7	72.5	71.6	66.0	59.3	54.4	53.6		53.6	75.9
POLYESTER	191.8	192.6	186.9	187.6	187.7	175.7	178.5	156.1	153.1	138.7	140.4		140.4	197.7
OLEFIN+VINYON	26.1	25.1	24.1	25.5	24.3	22.9	23.9	24.5	24.0	26.6	26.4		26.4	20.4
TOTAL NONCELLULOSIC ABOVE	**364.2**	**365.1**	**361.2**	**361.4**	**357.9**	**340.2**	**345.0**	**313.5**	**305.0**	**289.1**	**289.3**		**289.3**	**371.2**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	9.6	9.3	13.0	10.9	10.0	11.1	8.7	9.1					81.7	109.6
CARPET CLASS WOOL	1.2	1.1	1.7	1.1	0.9	0.7	0.8	1.0					8.5	7.0
TOTAL RAW WOOL	10.8	10.4	14.7	12.0	10.9	11.8	9.5	10.1					90.2	116.6
RAW COTTON	176.2	193.8	283.2	225.0	204.1	252.1	211.6	221.7	297.8	272.5			2338.0	2281.8

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 43 of the March 1985 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 43 of the March 1985 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 43 of the March 1985 issue.

k. Year-to-Date total for 1984, acetate yarn only.

ANNUAL INDEX - VOLUME FIFTY-SIX

The names of U.S. producers of man-made fibers, together with the products made, are listed on pages 231-237. The corresponding list of world producers is on pages 118-137. Monthly U.S. fiber shipments and stock data, appearing in the table "Selected U.S. Monthly Textile Fiber Data," are usually found on the last page of each ***Organon*** issue. In the following index, this appears under the heading "Monthly Data."

Each issue of the ***Organon*** contains one or more principal topics. The following is a brief outline of the major subjects covered in the 1985 issues. The numbers in parentheses are the pages of each month's issue.

JANUARY	Special Feature "Capacity Utilization Review" (1-20)
FEBRUARY	Special Report "Balance of Trade in MMF Textiles" (21-36)
MARCH	Special Feature. "1984 A Year in Perspective"; Special Feature "International Trade Supplement" (37-60)
APRIL	Special Feature: "1984 Import/Export Review" (61-84)
MAY	Special Feature "1984 Per Capita Consumption Review"; Special Feature: "May 1985 Capacity Survey Analysis" (62-103)
JUNE	**World Man-Made Fiber Survey**: Directory of World Man-Made Fiber Producers (104-147)
JULY/AUGUST	Special Feature "World Man-Made Fiber Data in Pounds" (104-175)
SEPTEMBER	**Annual U.S. End Use Summary** (176-203)
OCTOBER	Special Feature: "The U.S. Textile Trade Balance An Overview" (176-225)
NOVEMBER	**1985 Listing of U.S. Man-Made Fiber Producers** (226-247)
DECEMBER	Special Feature "World Natural Fiber Review"; Producing Capacity of the U.S. Man-Made Fiber Industry (248-271)

A

ACETATE
- Capacity
  - Producing - 8, 93, 115, 117, 161, 162, 257
  - Utilization - 9
- Distribution - 43
- Domestic Shipments - 34, 46, 58, 141, 201
- Exports - 31, 55, 69, 83, 98, 146, 171, 200, 221, 242, 262
- Imports - 64
- Mill Consumption - 40, 90
- Plants - 140
- Producers - 118-137, 231-233
- Production
  - U.S. - 6, 42, 93, 257
  - World - 115, 116, 161, 162
- Quarterly Data - 34, 46, 58, 141, 201
- Shipments & Stocks - see MONTHLY DATA

ACRYLIC+MODACRYLIC
- Capacity
  - Producing - 8, 94, 116, 152, 258
  - Utilization - 9
- Distribution - 43
- Domestic Shipments - 59, 142, 202, 266
- Exports - 31, 55, 69, 241-242, 262
- Imports - 64, 67, 72, 182, 220
- Mill Consumption - 40, 90
- Plants - 140, 237
- Producers - 118-137, 231-233
- Production
  - U.S. - 6, 42, 94, 258
  - World - 116, 152
- Quarterly Data - 35, 47, 59, 142, 202
- Shipments & Stocks - see MONTHLY DATA

APPAREL - see also DOMESTIC SHIPMENTS
- "Impact of Imports" - 11-15, 14-15
- End Uses - 180, 183-184, 190
- Estimates of U.S. Market - 14-15, 77, 78
- Imports
  - /Exports & Balance - 32, 53, 80, 97, 143, 168, 197, 216, 239, 261
  - Per Capita Consumption - 91
  - U.S. General - 66
- Raw Fiber Equivalent - 45, 91
- Wool - 255

ARAMID FIBERS - see NYLON FIBERS

AZLON FIBERS - 104, 231

B

BROAD WOVEN FABRICS
- Domestic Shipments - 58-59, 141-142, 201-202, 265-266
- Imports - 64, 68

C

CAPACITY
- "Capacity Utilization Review" - 4-8
- "May 1985 Capacity Survey Analysis" - 92-5
- "November 1985 Capacity Survey Analysis" - 256-258
- Production/Producing
  - U.S. - 4-7, 93-94, 257-258
  - World - 107-117, 152-162
- Utilization - 4, 8, 92, 256

CAPTIVE FIBER PRODUCERS - 118, 231

CARPETS & RUGS - see also DOMESTIC SHIPMENTS
- End Use - 186, 191
- Wool - 255

CELLULOSIC FIBERS (RAYON, ACEATE) -see also MONTHLY DATA
- Capacity
  - Producing - 4, 6-8, 93
  - Utilization - 4, 9, 111-114
- Distribution - 43
- End Uses - 179-181, 183-188
- Exports - 31, 70-71, 55, 69, 217-218, 241-242, 262
- Imports - 67, 72, 182, 220, see also MONTHLY DATA
  - /Exports & Balance - 32, 53, 80, 97, 143, 168, 197, 216, 239, 261
- Mill Consumption - 44
- Net Available - 48
- Plants - 140, 202, 237
- Producers - 118-137, 231-233
- Production
  - U.S. - 6-7, 42, 93
  - World - 48, 104, 111-114, 148, 157-160
- Shipments & Stocks - see MONTHLY DATA

CHAFER - 58, 141, 201, 265

CHARTS & GRAPHS - 3, 5, 12, 13, 17, 25, 29, 32, 41, 52, 53, 65, 75, 76, 79, 80, 87, 88, 92, 94-97, 163-164, 165-168, 194-197, 211-212, 214-216, 225, 238-239, 246, 256, 258-261

CIGARETTE
- Filtration - 91
- Tow Production - 117, 162

CIRCULAR KNIT FABRICS - see DOMESTIC SHIPMENTS

CONSUMPTION - see also IMPORTS, for Consumption
- "1984 Per Capita Consumption Review" - 87-91
- Apparel - 14-15

  End Use- 179-192
  Mill- 40, 44, 90, 181
  Per Capita- 87-90
  Raw Cotton- 46

CORRECTIONS- 207-208

COTTON
  Acreage & Yield- 254
  Consumption- 46
    Mill- 40, 44, 90, 181
    Per Capita- 87-90
  Distribution- 253
  End Uses- 179-181, 183-184
  Estimates of Apparel Market- 14-15
  Imports & Exports- 253
  Imports/Exports & Balance- 26
  Production
    U.S.- 251-252
    World- 102, 151, 251-252
  Raw Fiber Equivalents- 45, 91
  Stocks- 20, 36, 60, 84, 103, 147, 175, 203, 245, 246, 267, 268

D

DATAGRAM- 3, 23, 39, 63, 86, 106, 150, 180, 210, 230, 250

DEFINITIONS- 94, 168-171, 196

DOMESTIC SHIPMENTS
  Filament Yarn- 58, 141, 201, 265
  Staple+Tow- 59, 142, 202, 266

E

END USES
  "Textile Fiber End Use Survey"- 176, 179-192
    Apparel- 183-184, 190
    Exports- 189
    Home Furnishings- 185-186, 191
    Industrial & Other- 187-188, 192
    Summary- 180
    Summary Changes- 176
    Vs. Available Supply- 181

EUROPEAN ECONOMIC COMMUNITY (EEC)
  Exports- 70-71, 217-218
  Imports- 66-67
    /Exports & Net Available- 48
  Plants- 140
  Production- 107-110, 111-114, 115, 116, 117, 152-156, 157-160, 161-162

EXPORTS
  "1984 Import/Export Review"- 64-72
  "U.S. Man-Made Fiber Textile Trade Balance"- 211-214
  By Country of Destination- 70-71, 217-218
  Cotton- 253, 255
  Distribution- 43
  Dollar Value- 69, 219
  End Use- 176, 180
  /Imports & Balance- 32, 53, 80, 97, 143, 168, 197, 216, 239, 261
  Mill Consumption- 44
  Net Available- 48
  Quarterly Data- 31, 34-35, 101-102, 173-174, 219
  Raw Fiber Equivalents- 45
  Trade Balance- 212-214
  Wool- 255

F

FACE YARNS- 186, 191

FILAMENT YARN
  Domestic Shipments- 58, 141, 201, 265
    By Denier- 46

FILM FIBER- see OLEFIN FIBER

FLAT GOODS- see DOMESTIC SHIPMENTS

FLUOROCARBON (FEP & TPE)- 104, 231

G

GENERIC NAMES & TRADEMARKS- 104, 231

GLASS FIBER (TEXTILE GLASS FIBER)
  Capacity
    Producing- 4, 7, 93, 117, 162, 257
    Utilization- 4, 9
  Distribution- 43
  End Use- 181, 185-188
  Exports- 31, 55, 69, 241-242, 262
  Imports- 19, 30, 54, 82, 100, 145, 170, 199, 222, 241, 264
  Mill Consumption- 40, 44, 90
  Plants- 140, 237
  Producers- 118, 137, 236
  Production
    U.S.- 4, 7, 93, 117, 257
    World- 117, 162
  Quarterly Data- 58, 141, 201, 265
  Shipments & Stock- see MONTHLY DATA

H

HIGHLIGHTS- 1, 21, 37, 61, 85, 148, 176, 208, 228, 248

HOME FURNISHINGS- see also DOMESTIC SHIPMENTS
  End Uses- 176, 180, 185-186, 191
  Imports, Exports & Balance- 32, 53, 91

HOSIERY- see also DOMESTIC SHIPMENTS
  End Uses- 183, 190
  U.S. Production- 172

I

IMPORTS
  "1984 Import/Export Review"- 64-72
  "Import Update"- 10-15
  "U.S. Man-Made Fiber Textile Trade Balance"- 211-214
  Apparel
    Estimates of Market- 14-15, 77-78
    General- 66
    % of U.S. Market- 14-15
  Broad Woven- 64, 68
  Consumption
    Mill- 44, 181
    Per Capita- 91
  Cotton- 253
  Distribution- 43
  Dollar Value- 64, 72, 220
  /Exports & Balance- 32, 53, 80, 97, 143, 168, 197, 216, 239, 261
  Knit Fabric- 64, 68
  Net Available- 48
  Quarterly Data- 34-35, 98, 101-102, 173-174, 243-244
  Raw Fiber Equivalents- 45, 91
  Semimanufactured- 182
  Trade Balance- 212-214
  U.S., Selected for Consumption
    By Country- 18, 33, 56, 67-68, 81, 99, 144, 169, 198, 222, 240, 263
    By Fiber- 19, 30, 55, 72, 82, 100, 145, 170, 199, 220, 222, 241
    Manufactures- 64
  Wool- 255

"INTERNATIONAL TRADE SUPPLEMENT"- 47-51

J

JUTE
  Home Furnishings- 186
  Industrial- 187-188

K

KNIT FABRIC
  Imports- 64, 68

L

LINEN
  Apparel- 184
  Home Furnishings- 185-186
  Industrial-187-188

M

MILL CONSUMPTION
  By Fiber- 40, 90
  Domestic- 38, 40, 160

MODACRYLIC FIBER- see ACRYLIC

MONTHLY DATA
Datagram- 3, 23, 39, 63, 86, 106, 150, 178, 210, 230, 250
Selected Imports for Consumption
By Country- 18, 33, 56, 81, 99, 144, 169, 198, 223, 240, 263
By Fiber- 19, 30, 54, 82, 100, 145, 170, 199, 222, 241, 264
Selected U.S. Textile Fiber- 20, 36, 60, 84, 103, 147, 175, 203, 224, 225, 245, 267
Total Man-Made Fiber Shipments- 1, 21, 37, 61, 85, 148, 176, 208, 228, 248

MONTHLY REVIEW- 1, 21, 37, 61, 85, 148, 176, 208; 228, 248

N

"1984: A YEAR IN PERSPECTIVE"- 40-46

"1984: IMPORT/EXPORT REVIEW"- 64-72

NARROW FABRICS
Definitions- 190, 191, 192
End Use- 184, 185
Import Summary- 182

NARROW WOVEN
Domestic Shipments- 58, 141, 201, 265

NONCELLULOSIC FIBERS (Acrylic, Modacrylic, Nylon, Aramid, Olefin, Polyester), see also MONTHLY DATA

Capacity
Producing- 4, 7-8, 93, 94, 107-110, 116, 152-156
Utilization- 4, 8, 9
Distribution- 43
End Uses- 179-181, 183-189
Exports- 31, 55, 70-71, 83, 98, 146, 171, 200, 217-218, 219, 221, 242, 262
Imports- 67, 72, 182, 220; see also MONTHLY DATA
Mill Consumption- 44, 181
Net Available- 48
Plants- 140, 237
Producers- 118-137, 231-236
Production
U.S.- 4, 5, 6-7, 42, 93
World - 48, 104, 107-110, 116, 151-156
Quarterly Data- 34-35, 101-102, 173-174, 204-205, 243-244
Shipments & Stocks- see MONTHLY DATA- 46

NYLON FIBERS
Capacity
Producing- 8, 94, 116, 152, 258
Utilization- 9
Distribution- 43
Exports- 31, 55, 70-71, 83, 98, 146, 171, 200, 217-218, 219, 221, 242, 262
Imports- 67,72,182,220; see also MONTHLY DATA
Mill Consumption- 40, 90
Plants- 140, 237
Producers- 118-137, 231-236
Production
U.S.- 6, 42, 93
World- 116
Quarterly Data- 34-35, 101-102, 173-174, 243-244
Shipments & Stock- 46; see also DOMESTIC SHIPMENTS, MONTHLY DATA

O

OLEFIN FIBERS (POLYETHYLENE, POLYPROPYLENE)
Capacity
Producing- 8, 94, 258
Utilization- 9
Distribution- 43
Exports- 31, 55, 70-71, 83, 98, 146, 171, 200, 217-218, 219, 221, 242, 262
Imports- 72, 182, 220; see also MONTHLY DATA, U.S. By Fiber
Mill Consumption- 40, 90
Plants- 237
Producers- 118-137, 231-236
Production
U.S.- 6, 42
World- 117, 162
Quarterly Data- 34-35, 101-102, 173-174, 243-244
Shipments & Stocks- see DOMESTIC SHIPMENTS, MONTHLY DATA

P

"1984 PER CAPITA CONSUMPTION REVIEW"- 87-91

PLANTS
Directories- 118-137, 231-236
Locations- 140, 237

POLYCARBONATE FIBERS- 118, 231

POLYESTER
Capacity
Producing- 8, 94, 116, 152, 258
Utilization- 9
Distribution- 43
Exports- 31, 55, 70-71, 83, 98, 146, 171, 200, 218-219, 221, 242, 262
Imports- 64, 67, 72, 182, 220; see also MONTHLY DATA
Mill Consumption- 40, 90
Plants- 140, 237
Producers- 118-137, 231-236
Production
U.S.- 6, 42, 93
World- 116
Quarterly Data- 34-35, 101-102, 173-174, 243-244
Shipments & Stocks- 46; see also DOMESTIC SHIPMENTS, MONTHLY DATA

POLYETHYLENE & POLYPROPYLENE- see OLEFIN

PRODUCER DIRECTORIES
U.S.- 231-236
World- 118-137

PRODUCTION- see specific fiber types or groups

Q

QUARTERLY DATA
Domestic Shipments
Filament Yarn- 58, 141, 201, 265
Staple+Tow- 59, 142, 202, 266
1985 Data- 34-35, 101-102, 173-174, 243-244

R

RAYON
Broad Woven- 64
Capacity
Producing- 8, 93, 115, 161, 257
Utilization- 9
Distribution- 43
Exports- 31, 55, 70-71, 83, 98, 146, 171, 200, 217-219, 221, 242, 262
Knit Fabric- 64
Mill Consumption- 40, 90
Plants- 140
Producer Directories- 118-137, 231-236
Production
U.S.- 6, 42, 93, 257
World- 115, 161
Quarterly Data- 34-35, 101, 102, 173-174, 243-244
Shipments & Stocks- see also MONTHLY DATA
Waste- 46

RUGS- 186, 191

S

SARAN- 42, 93, 118, 179, 190, 231

SILK
Deliveries, Raw- 46
End Use- 179, 183-184, 186-188, 190
Mill Consumption- 44
Production, World- 85, 151

SISAL- 179, 188, 190

SHIPMENTS & STOCKS
Quarterly Data- 34-35, 101-102, 173-174, 243-244
Domestic Shipments- 58-59, 141-142, 201-202, 265-266
Selected U.S. Monthly Textile Data- 20, 36, 57, 60, 84, 103, 147, 175, 203, 224, 245-246, 267
Total Man-Made Fiber- 1, 21, 37, 61, 85, 148, 176, 208, 228, 248

SPANDEX- 42, 93, 118, 179, 190, 231

SPUN YARN
Imports for Consumption- 19, 30, 55, 72, 82, 100, 145, 170, 199, 220, 222, 241

STAPLE+TOW (+ FIBERFILL)
Capacity
Producing- 8, 92-93, 107-114, 116, 152-160, 257-258
Utilization- 9
Distribution- 43
Domestic Shipments- 59, 142, 202, 266
End Uses- 180-190
Exports- 31, 48, 55, 70-71, 83, 98, 146, 171, 200, 217-218, 219, 221, 242, 262
Dollar Value- 69, 219

Imports- 67, 182; see also MONTHLY DATA
  Dollar Value- 72, 220
Mill Consumption- 44, 181
Net Available- 48
Producers- 118-137, 231-236
Production
  U.S.- 6, 42, 93-94, 109-110, 113-114, 116, 152, 155-156, 159-160
  World- 48, 104, 107-108, 111-112, 152-154, 157-158
Quarterly Data- 102, 174, 244
Shipments & Stocks- see MONTHLY DATA

T

TEXTILE GLASS FIBER- see GLASS FIBER

TEXTURED YARN
Exports- 31, 55, 70-71, 83, 98, 146, 171, 200, 217-219, 221, 242, 262
Imports- 19, 30, 54, 72, 82, 100, 145, 170, 182, 199, 220, 222, 241, 264

THREAD, YARN & SEWING
End Use- 188-189, 192
Imports- 19, 30, 54, 72, 82, 100, 145, 170, 182, 199, 220, 222, 241, 264

TIRE CORD & FABRIC
Broad Woven- 64
Domestic Shipments- 58, 141, 201, 265
End Use- 187, 192

V

VINYON— see OLEFIN

W

WASTE
Exports- 31, 48, 55, 70-71, 83, 98, 146, 171, 200, 217-218, 219, 221, 242, 262
  End Use- 179
Imports - 182; see also MONTHLY DATA
  For Consumption- 19, 30, 54, 82, 100, 145, 170, 199, 222, 241, 264
Mill Consumption- 44
Shipments- 46

WOOL
Consumption
  Mill- 40, 41, 48, 90, 181
  Per Capita- 87, 89, 90, 91
End Use- 179-181, 183-189, 193, 194
Estimates of Apparel Market- 14-15, 77-78
Production
  U.S.- 254
  World- 104, 151, 254
Raw Fiber Equivalents- 45, 91
Stocks- 20, 36, 57, 60, 84, 103, 147, 175, 203, 224, 245-246, 267
Supply & Demand of Wool in the U.S.-255
WORLD AFFILIATIONS & OWNERSHIP- 138-139

Y

YARN+MONOFILAMENTS
Capacity
  Producing- 8, 93, 94, 107-114, 116, 152-160, 257-258
  Utilization- 9
Distribution- 43
Domestic Shipments- 58, 101, 141, 201, 265
End Uses- 180-181, 182-190
Estimates of Apparel Market- 14-15, 77-78
Exports- 31, 48, 55, 70-71, 83, 98, 146, 171, 200, 217-218, 219, 221, 242, 262
  Dollar Value- 69, 219
Imports- 67, 182; see also MONTHLY DATA
  Dollar Value- 72, 220
Mill Consumption- 44, 181
Net Available- 48
Producers- 118-137, 231-236
Production
  U.S.- 6, 42, 93-94, 109-110, 113-114, 116, 152, 155-156, 159-160
  World- 48, 104, 107-108, 111-112, 152-154, 157-158
Quarterly Data- 101, 173, 243
Shipments & Stock- see MONTHLY DATA

2/10/86 C8850-1

Textile Organon

Volume 57, No. 1 ☐ January 1986

A publication of the Textile Economics Bureau, Inc.

MONTHLY REVIEW

Highlights

Total Shipments of Noncellulosic Yarn+Monofilaments Increased by 8.3% in 1985 ... see page 11.

Total Shipments of Noncellulosic Staple+Tow Fell 3.1% in 1985 ... see page 11.

Total Polyester Textile Shipments Rose by 16% ... see page 11.

Textile Organon *Features:*

Capacity Utilization Review ... begins on page 4.

Annual Shipment Summary ... begins on page 11.

In December, shipments of noncellulosic yarn+monofilaments increased by 4.5% to 318.9 million pounds from the 305.1 million pounds shipped in November.

Shipments of noncellulosic staple+tow rose by 1.7% to 315.3 million pounds from the 310.1 million pounds shipped in November.

- Nylon carpet shipments increased almost 24%.
- Nylon industrial yarn shipments rose by 20.5%.
- Nylon staple+tow shipments advanced by 20.6%.
- Olefin+vinyon shipments dropped almost 21%.

TABLE 1: TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT*

ITEM	1985			1984		YEAR TO DATE		
	DEC	NOV	%[a]	DEC	%[b]	1985	1984	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN[e]	**18.8**	**16.8**	*+11.9*	**12.2**	*+54.1*	**210.1**	**198.3**	*+6.0*
NYLON[d] - INDUSTRIAL	31.1	25.8	*+20.5*	31.0	*+0.3*	345.1	375.1	*-8.0*
- LOW DENIER INDUSTRIAL	2.4	2.5	*-4.0*	2.2	*+9.1*	28.5	34.0	*-16.2*
- CARPET	82.5	66.6	*+23.9*	62.6	*+31.8*	835.4	794.9	*+5.1*
- TEXTILE	28.3	26.6	*+6.4*	24.5	*+15.5*	326.9	353.4	*-7.5*
POLYESTER - INDUSTRIAL	24.5	24.1	*+1.7*	22.4	*+9.4*	292.1	313.1	*-6.7*
- LOW DENIER INDUSTRIAL	2.1	1.9	*+10.5*	3.3	*-36.4*	22.9	24.8	*-7.7*
- TEXTILE	77.0	*80.4	*-4.2*	69.4	*+11.0*	997.5	860.2	*+16.0*
OLEFIN	71.0	77.2	*-8.0*	73.8	*-3.8*	938.2	742.1	*+26.4*
TOTAL NONCELLULOSIC ABOVE	**318.9**	***305.1**	*+4.5*	**289.2**	*+10.3*	**3786.6**	**3497.6**	*+8.3*
STAPLE+TOW+FIBERFILL								
RAYON	**30.7**	***29.7**	*+3.4*	**25.7**	*+19.5*	**358.7**	**384.0**	*-6.6*
NYLON[d]	82.0	68.0	*+20.6*	61.7	*+32.9*	843.6	831.3	*+1.5*
ACRYLIC+MODACRYLIC	44.9	48.5	*-7.4*	50.5	*-11.1*	643.8	666.2	*-3.4*
POLYESTER	167.9	167.7	*+0.1*	182.7	*-8.1*	2038.6	2192.4	*-7.0*
OLEFIN+VINYON	20.5	25.9	*-20.8*	20.7	*-1.0*	287.4	246.7	*+16.5*
TOTAL NONCELLULOSIC ABOVE	**315.3**	**310.1**	*+1.7*	**315.6**	*-0.1*	**3813.4**	**3936.6**	*-3.1*

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. Nylon excludes Aramid.

e. 1984 data Acetate only.

Also see footnotes on last page of this issue.

* Means revisions.

Textile Organon

A Monthly Review

JANUARY 1986

CONTENTS

Features

Capacity Utilization Review **4-10**
- Review of Fiber Production, Producing Capacity & Capacity Utilization 4
- Graph 1: Noncellulosic Fiber Production, Capacity & Capacity Utilization 5
- Summary of Annual Production 6
- Production of Noncellulosic, Cellulosic & Glass Fibers as a Percentage of Total Man-Made Fiber Production 7
- Producing Capacity of Noncellulosic, Cellulosic & Glass Fibers as a Percentage of Total Man-Made Fiber Capacity 7
- Summary of Producing Capacities 8
- Summary of Capacity Utilization Rates 9
- Graph 2: Nylon Carpet Yarn Capacity Utilization 10
- Graph 3: Polyester Textile Yarn Capacity Utilization 10
- Graph 4: Polyester Staple Capacity Utilization 10

Annual Shipment Summary **11-12**
- Total Man-Made Fiber Shipments-Annually 1982-1985 11
- Graph 5: Annual Shipment Comparison 12

World Net Available Supply **13-14**

Industry Regulars

- Total Man-Made Fiber Shipments 1

Datagram **3**

Trade Barometer **11, 14-20**
- Graph 6: Imports vs. Exports of Man-Made Fiber 14
- Graph 7: Man-Made Fiber Monthly Trade Balance 15
- Man-Made Fiber Monthly Trade Balance Detail 15

Monthly U.S. Man-Made Fiber Data **16-18**
- Imports By Country of Origin 16
- Imports For Consumption 17
- Exports By Fiber 18

Selected U.S. Monthly Textile Fiber Data **19-20**
- Selected U.S. Monthly Textile Fiber Data Detail 19
- Graph 8: Selected U.S. Monthly Textile Fiber Data 20

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

Copyright © 1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

Item	U.S.A.	Other
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

DATAGRAM

U.S. NONCELLULOSIC FIBER UTILIZATION REMAINS UNCHANGED

Based on year-end production data and November 1985 Capacity Survey results, the noncellulosic fiber capacity utilization rate for 1985 remained unchanged from 1984 and stood at 79%.

Higher Capacity utilization rates in 1985 could be achieved for the following fibers:

- *Polyester Textile Yarn jumped to a 93.6% utilization rate, a significant increase from 1984 when the rate stood at 76.1%.*
- *Olefin Yarn+monofilament+film fiber rose to 70.7% for 1985, as compared to a utilization rate of 65.5% in 1984.*
- *Acrylic+modacrylic ran at 100% utilization, compared to only 83.1% in 1984.*

Declining utilization rates in 1985 are noted in the following areas:

- *Polyester Industral Yarn dropped to a rate of 78.6% in 1985 from a 92.4% utilization rate in 1984.*
- *Nylon Industrial Yarn fell to a rate of 78.5%, down from the 1984 utilization rate of 86.7%.*
- *Nylon Textile Yarn recorded a 75.8% utilization rate, down from 83.8% in 1984, and*
- *Polyester Staple fell to a rate of 72.5%, down from a utilization rate of 78.7% in 1984.*

SHIPMENTS CONTINUE TO IMPROVE

1985 shipments of noncellulosic yarn+monofilaments and staple+tow reached 7,600.0 million pounds, an increase of over 2% from the 7,434.2 million pounds shipped during 1984.

When compared to 1984 levels:

- *Yarn+monofilament shipments are up 8.3%.*
- *Staple+tow shipments declined by 3.1%.*

INVENTORIES DECLINE

Inventories of noncellulosic yarn+monofilaments and staple+tow declined by 8% in 1985 to 602.7 million pounds compared to the 654.4 million pounds in 1984.

Comparing 1984 inventory levels:

- *Yarn+monofilament inventories dropped by 3.6%.*
- *Staple+tow inventories fell sharply by almost 12%.*

DU PONT TO CUT POLY STAPLE OUTPUT

Over the next two years, Du Pont will phase out polyester staple production at its Old Hickory, Tenn. plant, reducing its capacity of that fiber by about 20%. According to a Du Pont spokesman, "the industry has significant excess capacity for polyester staple because of the growth of textile and apparel imports. We are attacking this problem in our operations by shutting down older equipment and consolidating production." (DNR 1/13/86)

Capacity Utilization Review

Editor's Note — *1983 turned out to be a strong recovery year in terms of capacity utilization; 1984 showed signs of a modest decline. In 1983, noncellulosic fibers maintained a capacity utilization rate of just over 80%; however, in 1984 and 1985 these fibers registered a utilization rate of 79%.*

Even though the noncellulosic fiber production rose by over 7% from 1984 to 1985, the noncellulosic fiber capacity grew by 1% from 1984 to 1985.

During the period covered in this **Feature**, *1970-1985, significant trends surfaced, such as the continued growth of glass fiber production from 1970 to 1984 (an increase of almost 199% by 1984) and the decline of cellulosic fiber production of almost 54% by 1984.*

It should be stressed that since 1970, growth in noncellulosic fiber capacity has fallen from a high of 18% growth in 1972, to the marginal growth in 1985 of 1%. However, capacity utilization rates remained relatively stable at the 70%-80% range.

Six tables and one graph comprise the data base for this report: Review of Production, Producing Capacity & Capacity Utilization; Summary of Annual Production (1970-1985); Production of Noncellulosic, Cellulosic & Glass Fibers as a Percentage of Total Man-Made Fiber Production; Summary of Producing Capacities (1970-1985); Producing Capacity of Noncellulosic, Cellulosic & Glass Fibers as a Percentage of Total Man-Made Fiber Capacity; and Summary of Capacity Utilization Rates (1970-1985).

Review of Production, Producing Capacity & Capacity Utilization ties the three major components of this report - production, producing capacity & capacity utilization - into one table for easy reference and comprehension. The page opposite depicts this summary graphically.

For the purpose of the report, **November** Textile Economics Bureau capacity survey data are used as the annual capacity figures.

The tables on pages 7 and 8 present the capacity data for 1970-1985.

In similar fashion, the tables on pages 6 and 7 list the production data for the same period.

The table on page 9 gives the capacity utilization rates by individual as well as generic fiber type.

TABLE 2:
REVIEW OF PRODUCTION, PRODUCING CAPACITY & CAPACITY UTILIZATION

MILLION POUNDS & *Percent*

FIBER TYPE	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
NONCELLULOSIC														
PRODUCTION	5,346	6,297	6,212	5,875	6,615	7,312	7,768	8,418	7,874	7,982	6,442	7,534	7,473	7,549
CAPACITY	6,376	7,022	7,756	8,420	9,116	9,352	9,555	9,784	9,627	9,696	9,334	9,367	9,460	9,558
UTILIZATION (%)	*83.8*	*89.7*	*80.1*	*69.8*	*72.6*	*78.2*	*81.3*	*86.0*	*81.8*	*82.3*	*69.0*	*80.4*	*79.0*	*79.0*
CELLULOSIC														
PRODUCTION	1,394	1,357	1,199	749	841	888	905	930	806	770	584	640	628	NA
CAPACITY	1,513	1,493	1,373	1,239	1,193	1,063	1,086	1,109	909	898	895	845	845	784
UTILIZATION (%)	*92.1*	*90.9*	*87.3*	*60.5*	*70.5*	*83.5*	*83.3*	*83.9*	*88.7*	*85.7*	*65.2*	*75.7*	*74.3*	*NA*
GLASS FIBER														
PRODUCTION	572	688	683	547	676	787	923	1,014	867	1,041	899	1,167	1,394	NA
CAPACITY	721	737	821	909	893	1,002	1,118	1,305	1,473	1,561	1,718	1,618	1,743	1,769
UTILIZATION (%)	*79.3*	*93.3*	*83.2*	*60.2*	*75.7*	*78.5*	*82.6*	*77.7*	*58.9*	*66.7*	*52.3*	*72.1*	*80.0*	*NA*
TOTAL MAN-MADE FIBERS (incl. Glass)														
PRODUCTION	7,312	8,342	8,094	7,171	8,132	8,987	9,596	10,362	9,547	9,793	7,925	9,341	9,495	NA
CAPACITY	8,610	9,252	9,950	10,568	11,202	11,417	11,759	12,198	12,009	12,155	11,947	11,830	12,048	12,111
UTILIZATION (%)	*84.9*	*90.2*	*81.3*	*67.9*	*72.6*	*78.7*	*81.6*	*84.9*	*79.5*	*80.6*	*66.3*	*79.0*	*78.8*	*NA*
TOTAL MAN-MADE FIBERS (excl. Glass)														
PRODUCTION	6,740	7,654	7,411	6,624	7,456	8,200	8,673	9,348	8,680	8,752	7,026	8,174	8,101	NA
CAPACITY	7,889	8,515	9,129	9,659	10,309	10,415	10,641	10,893	10,536	10,594	10,229	10,212	10,305	10,342
UTILIZATION (%)	*85.4*	*89.9*	*81.2*	*68.6*	*72.3*	*78.7*	*81.5*	*85.8*	*82.4*	*82.6*	*68.7*	*80.0*	*78.6*	*NA*

NA means not available.

GRAPH 1:
NONCELLULOSIC FIBER PRODUCTION, CAPACITY & CAPACITY UTILIZATION

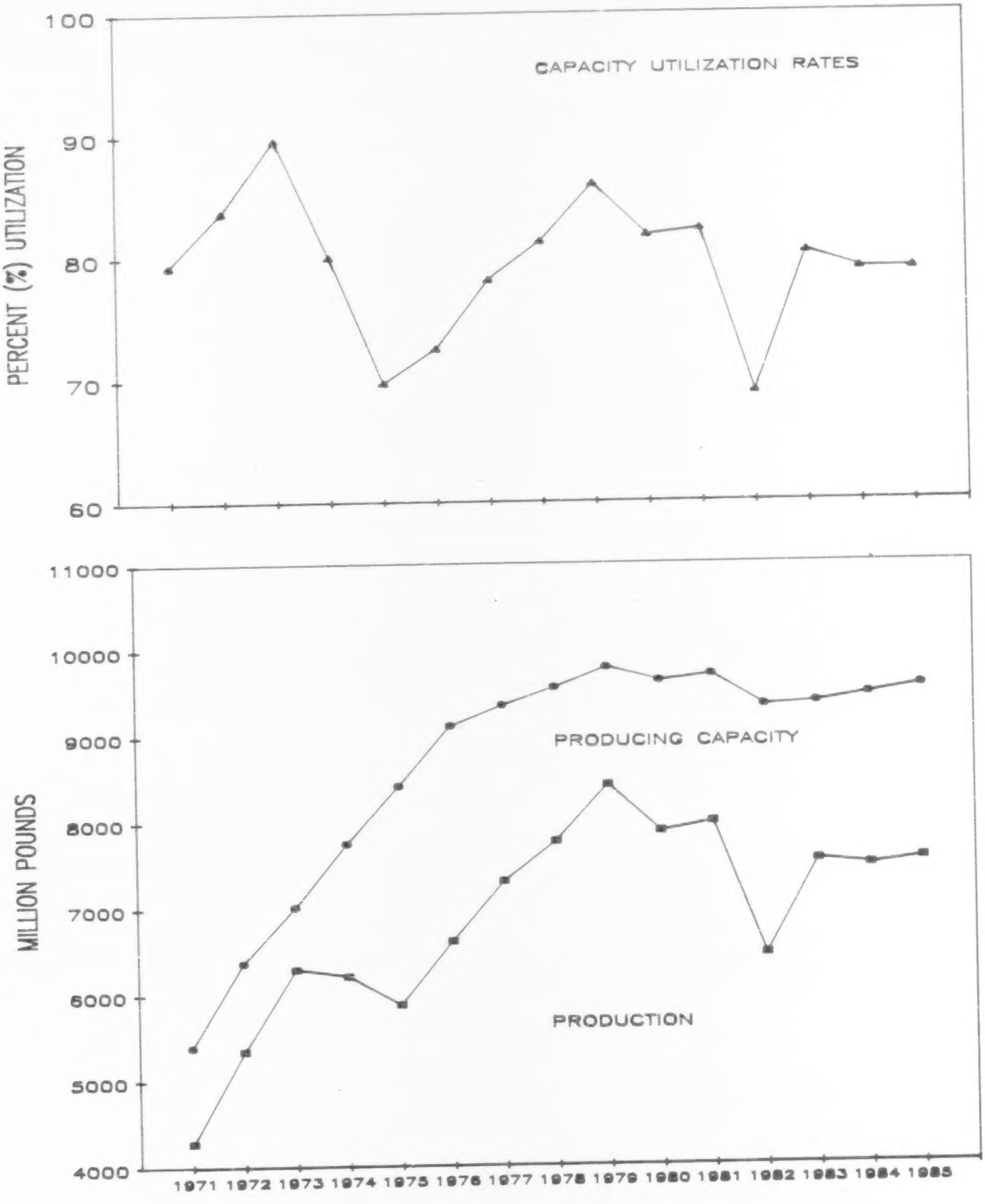


TABLE 3:
SUMMARY OF ANNUAL PRODUCTION (1970-1985)
MILLION POUNDS

	CELLULOSIC FIBERS						
	FILAMENT YARN+MONOFIL			STAPLE+TOW			TOTAL CELL.
YEAR	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1970	268	463	731	607	35	642	**1,373**
1971	304	449	753	612	26	638	**1,391**
1972	252	401	653	713	28	741	**1,394**
1973	198	437	635	697	25	722	**1,357**
1974	172	362	534	645	20	665	**1,199**
1975	65	301	366	371	12	383	**749**
1976	68	287	355	475	11	486	**841**
1977	71	282	353	527	8	535	**888**
1978	62	301	363	535	7	542	**905**
1979	57	317	374	549	7	556	**930**
1980	47	309	356	443	7	450	**806**
1981	48	257	305	461	4	465	**770**
1982	33	195	228	355	1	356	**584**
1983	36	228	264	375	1	376	**640**
1984	41	198	239	389	+	+	**628**
1985	NA	205	NA	353	NA	NA	**NA**

	NONCELLULOSIC FIBERS															
	YARN+MONOFILAMENTS									STAPLE+TOW					TOTAL NON-CELL.	GLASS FIBER
	NYLON+ARAMID[a]				POLYESTER			OLEFIN	TOTAL YARN	NYLON+ ARAMID[a]	POLY-ESTER	ACRYLIC+ MODACR.	OLEFIN+ VINYON	TOTAL STAPLE		
YEAR	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL									
1970	DETAIL NOT AVAILABLE			1,138	DETAIL NOT AVAILABLE		441	200	1,779	217	1,022	492	62	1,793	**3,572**	467
1971				1,238			678	262	2,178	357	1,143	545	60	2,105	**4,283**	468
1972				1,464			952	347	2,763	511	1,376	626	70	2,583	**5,346**	572
1973				1,583			1,320	424	3,327	592	1,568	742	68	2,970	**6,297**	688
1974				1,560			1,408	463	3,431	564	1,518	631	68	2,781	**6,212**	683
1975	348	417	531	1,296	271	1,188	1,459	443	3,198	562	1,536	525	54	2,677	**5,875**	547
1976	390	429	554	1,373	342	1,063	1,405	516	3,294	703	1,936	621	61	3,321	**6,615**	676
1977	401	457	654	1,512	360	1,232	1,592	554	3,658	814	2,050	709	81	3,654	**7,312**	787
1978	438	503	713	1,654	355	1,209	1,564	597	3,815	896	2,236	726	95	3,953	**7,768**	923
1979	499	528	755	1,782	373	1,342	1,715	639	4,136	939	2,462	761	120	4,282	**8,418**	1,014
1980	437	466	728	1,631	286	1,176	1,462	632	3,725	727	2,527	779	116	4,149	**7,874**	867
1981	410	461	710	1,581	309	1,257	1,566	643	3,790	752	2,607	691	142	4,192	**7,982**	1,041
1982	315	354	573	1,242	292	921	1,213	585	3,040	685	1,955	624	138	3,402	**6,442**	899
1983	315	415	762	1,492	299	1,060	1,359	716	3,567	926	2,184	671	186	3,967	**7,534**	1,167
1984	379	394	804	1,577	316	884	1,200	748	3,525	835	2,192	671	250	3,948	**7,473**	1,394
1985	343	353	819	1,515	294	1027	1,321	940	3,776	828	2,020	631	294	3,773	**7,549**	NA

NA means not available.

a. 1983 and 1984 exclude Aramid.

Rayon yarn includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments.

Acetate includes diacetate and triacetate. The acetate staple+tow data do not include poundages of tow for cigarette filtration.

Olefin includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

TABLE 4:
PRODUCTION OF NONCELLULOSIC, CELLULOSIC & GLASS FIBERS
AS A PERCENTAGE OF TOTAL MAN-MADE FIBER PRODUCTION

MILLION POUNDS & *Percent*

YEAR	NON-CELLULOSIC	%	CELLULOSIC	%	GLASS FIBER	%	TOTAL MAN-MADE FIBER	%
1970	3,572	*66.0*	1,373	*25.4*	467	*8.6*	5,412	*100.0*
1971	4,283	*69.7*	1,391	*22.7*	468	*7.6*	6,142	*100.0*
1972	5,346	*73.1*	1,394	*19.1*	572	*7.8*	7,312	*100.0*
1973	6,297	*75.5*	1,357	*16.3*	688	*8.2*	8,342	*100.0*
1974	6,212	*76.7*	1,199	*14.8*	683	*8.5*	8,094	*100.0*
1975	5,875	*81.9*	749	*10.5*	547	*7.6*	7,171	*100.0*
1976	6,615	*81.4*	841	*10.3*	676	*8.3*	8,132	*100.0*
1977	7,312	*81.4*	888	*9.9*	787	*8.7*	8,987	*100.0*
1978	7,768	*80.9*	905	*9.5*	923	*9.6*	9,596	*100.0*
1979	8,418	*81.2*	930	*9.0*	1,014	*9.8*	10,362	*100.0*
1980	7,874	*82.5*	806	*8.4*	867	*9.1*	9,547	*100.0*
1981	7,982	*81.5*	770	*7.9*	1,041	*10.6*	9,793	*100.0*
1982	6,442	*81.3*	584	*7.4*	899	*11.3*	7,925	*100.0*
1983	7,534	*80.7*	640	*6.8*	1,167	*12.5*	9,341	*100.0*
1984	7,473	*78.7*	628	*6.6*	1,394	*14.7*	9,495	*100.0*
1985	7,549	*NA*	NA	*NA*	NA	*NA*	NA	*100.0*

TABLE 5:
PRODUCING CAPACITY OF NONCELLULOSIC, CELLULOSIC & GLASS FIBERS
AS A PERCENTAGE OF TOTAL MAN-MADE FIBER CAPACITY

MILLION POUNDS & *Percent*

YEAR	NON-CELLULOSIC	%	CELLULOSIC	%	GLASS FIBER	%	TOTAL MAN-MADE FIBER	%
1970	4,844	*67.2*	1,713	*23.7*	657	*9.1*	7,214	*100.0*
1971	5,397	*70.0*	1,615	*21.0*	696	*9.0*	7,708	*100.0*
1972	6,376	*74.0*	1,513	*17.6*	721	*8.4*	8,610	*100.0*
1973	7,022	*75.9*	1,493	*16.1*	737	*8.0*	9,252	*100.0*
1974	7,756	*77.9*	1,373	*13.8*	821	*8.3*	9,950	*100.0*
1975	8,420	*79.7*	1,239	*11.7*	909	*8.6*	10,568	*100.0*
1976	9,116	*81.4*	1,193	*10.6*	893	*8.0*	11,202	*100.0*
1977	9,352	*81.9*	1,063	*9.3*	1,002	*8.8*	11,417	*100.0*
1978	9,555	*81.3*	1,086	*9.2*	1,118	*9.5*	11,759	*100.0*
1979	9,784	*80.2*	1,109	*9.1*	1,305	*10.7*	12,198	*100.0*
1980	9,627	*80.2*	909	*7.5*	1,473	*12.3*	12,009	*100.0*
1981	9,696	*79.8*	898	*7.4*	1,561	*12.8*	12,155	*100.0*
1982	9,334	*78.1*	895	*7.5*	1,718	*14.4*	11,947	*100.0*
1983	9,367	*79.2*	845	*7.1*	1,618	*13.7*	11,330	*100.0*
1984	9,460	*78.5*	845	*7.0*	1,743	*14.5*	12,048	*100.0*
1985	9,558	*78.9*	784	*6.5*	1,769	*14.6*	12,111	*100.0*

TABLE 6:
SUMMARY OF PRODUCING CAPACITIES (1970-1985)

MILLION POUNDS

	CELLULOSIC FIBERS						
	FILAMENT YARN+MONOFIL			STAPLE+TOW			TOTAL CELL.
YEAR[a]	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1970	360	494	854	819	40	859	**1,713**
1971	337	490	827	757	31	788	**1,615**
1972	235	486	721	761	31	792	**1,513**
1973	224	473	697	768	28	796	**1,493**
1974	172	449	621	724	28	752	**1,373**
1975	100	384	484	737	18	755	**1,239**
1976	85	399	484	691	18	709	**1,193**
1977	85	315	400	655	8	663	**1,063**
1978	83	330	413	665	8	673	**1,086**
1979	75	355	430	671	8	679	**1,109**
1980	63	324	387	514	8	522	**909**
1981	52	332	384	509	5	514	**898**
1982	63	318	381	510	4	514	**895**
1983	63	268	331	510	4	514	**845**
1984	63	268	331	510	4	514	**845**
1985	c	c	269	510	5	515	**784**

	NONCELLULOSIC FIBERS															TOTAL NON-CELL.	GLASS FIBER
	YARN+MONOFILAMENTS									STAPLE+TOW							
	NYLON+ARAMID[b]				POLYESTER			OLEFIN	TOTAL YARN	NYLON+ ARAMID[b]	POLY-ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON	TOTAL STAPLE			
YEAR[a]	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL										
1970	480	569	428	1,477	294	316	610	335	2,422	280	1,370	659	113	2,422	**4,844**	657
1971	463	522	531	1,516	337	559	896	365	2,777	460	1,355	698	107	2,620	**5,397**	696
1972	469	559	626	1,654	364	892	1,256	432	3,342	602	1,571	754	107	3,034	**6,376**	721
1973	466	534	707	1,707	385	1,118	1,503	510	3,720	701	1,709	787	105	3,302	**7,022**	737
1974	494	552	770	1,816	405	1,351	1,756	600	4,172	757	1,899	824	104	3,584	**7,756**	821
1975	503	553	786	1,842	391	1,576	1,967	815	4,624	827	2,021	827	121	3,796	**8,420**	909
1976	519	552	787	1,858	442	1,701	2,143	861	4,862	910	2,355	869	120	4,254	**9,116**	893
1977	523	558	829	1,910	443	1,698	2,141	907	4,958	939	2,470	869	116	4,394	**9,352**	1,002
1978	510	565	908	1,983	443	1,643	2,086	915	4,984	1,023	2,554	865	129	4,571	**9.555**	1,118
1979	513	579	950	2,042	443	1,699	2,142	922	5,106	1,020	2,673	839	146	4,678	**9,784**	1,305
1980	515	551	910	1,976	400	1,637	2,037	900	4,913	991	2,759	830	134	4,714	**9,627**	1,473
1981	514	553	893	1,960	316	1,481	1,797	989	4,746	1,010	2,839	835	266	4,950	**9,696**	1,561
1982	474	513	925	1,912	338	1,265	1,603	1,038	4,553	978	2,700	832	271	4,781	**9,334**	1,718
1983	440	494	950	1,884	337	1,170	1,507	1,099	4,490	1,017	2,754	826	280	4,877	**9,367**	1,618
1984	437	470	926	1,833	342	1,162	1,504	1,142	4,479	1,054	2,784	807	336	4,981	**9,460**	1,743
1985	437	466	965	1,868	374	1,097	1,471	1,329	4,668	1,067	2,785	631	407	4,890	**9,558**	1,769

a. All annual capacity data are as of November of that year.

b. 1983 and 1984 exclude Aramid.

c. Detail withheld due to disclosure.

The data do not include the poundages of acetate tow for cigarette filtration.

IND means industrial yarn and monofil, i.e., coarser than 500 denier with an Instron tenacity of 7 grams or more per denier.

CARP means bulked continuous filament yarn for carpets.

TEX means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles and film fiber used for decorative or tying ribbon, etc. Olefin monofil includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated film.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

TABLE 7:
SUMMARY OF CAPACITY UTILIZATION RATES (1970-1985)

PERCENT (%)

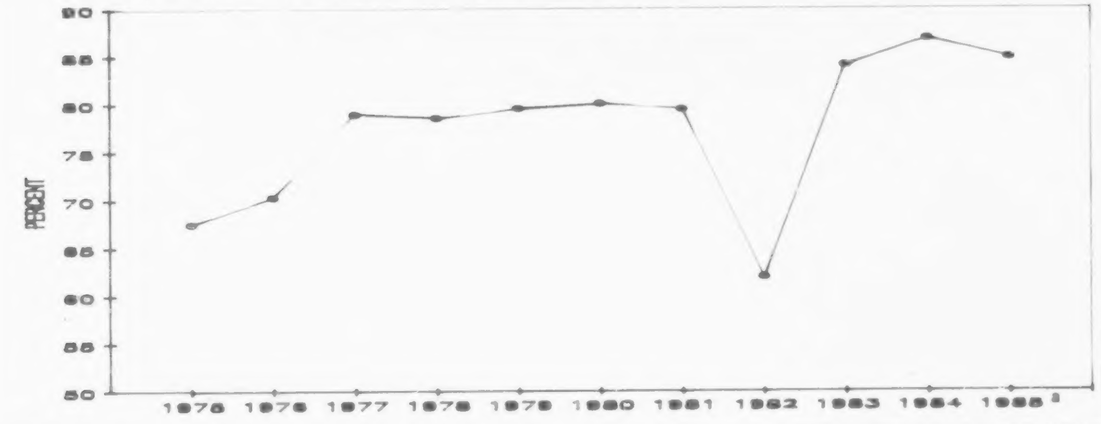
YEAR	CELLULOSIC FIBERS						TOTAL CELL.
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1970	74.4	93.7	85.6	74.1	87.5	74.7	**80.2**
1971	90.2	91.6	91.1	80.8	83.9	81.0	**86.1**
1972	107.2	82.5	90.6	93.7	90.3	93.6	**92.1**
1973	88.4	92.4	91.1	90.8	89.3	90.7	**90.9**
1974	100.0	80.6	86.0	89.1	71.4	88.4	**87.3**
1975	65.0	78.4	75.6	50.3	66.7	50.7	**60.5**
1976	80.0	71.9	73.3	68.7	61.1	68.5	**70.5**
1977	83.5	89.5	88.3	80.5	100.0	80.7	**83.5**
1978	74.7	91.2	87.9	80.5	87.5	80.5	**83.3**
1979	76.0	89.3	87.0	81.8	87.5	81.9	**83.9**
1980	74.6	95.4	92.0	86.2	87.5	86.2	**88.7**
1981	92.3	77.4	79.4	90.6	80.0	90.5	**85.7**
1982	52.4	61.3	59.8	69.6	25.0	69.3	**65.2**
1983	57.1	85.1	79.8	73.5	25.0	73.1	**74.5**
1984	65.1	73.9	72.2	76.3	NA	NA	**74.3**
1985	NA	NA	NA	69.2	NA	NA	**NA**

YEAR	NONCELLULOSIC FIBERS														TOTAL NON-CELL.	GLASS FIBER
	YARN+MONOFILAMENTS									STAPLE+TOW						
	NYLON+ARAMID[a]				POLYESTER			OLEFIN	TOTAL YARN	NYLON+ ARAMID[a]	POLY-ESTER	ACRYLIC+ MODACR.	OLEFIN+ VINYON	TOTAL STAPLE		
	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL									
1970				77.0			72.3	59.7	73.5	77.5	74.6	74.7	54.9	74.0	**73.7**	71.1
1971	DETAIL NOT AVAILABLE			81.7	DETAIL NOT AVAILABLE		75.7	71.8	78.4	77.6	84.4	78.1	56.1	80.3	**79.4**	67.2
1972				88.5			75.8	80.3	82.7	84.9	87.6	83.0	65.4	85.1	**83.8**	79.3
1973				92.7			87.8	83.1	89.4	84.5	91.7	94.3	64.8	89.9	**89.7**	93.3
1974				85.9			80.2	77.2	82.2	74.5	79.9	76.6	65.4	77.6	**80.1**	83.2
1975	69.2	75.4	67.6	70.4	69.3	75.4	74.2	54.4	69.2	68.0	76.0	63.5	44.6	70.5	**69.8**	60.2
1976	75.1	77.7	70.4	73.9	77.4	62.5	65.6	59.9	67.7	77.3	82.2	71.5	50.8	78.1	**72.6**	75.7
1977	76.7	81.9	78.9	79.2	81.3	72.6	74.4	61.1	73.8	86.7	83.0	81.6	69.8	83.2	**78.2**	78.5
1978	85.9	89.0	78.5	83.4	80.1	73.6	75.0	65.2	76.5	87.6	87.5	83.9	73.6	86.5	**81.3**	82.6
1979	97.3	91.2	79.5	87.3	84.2	79.0	80.1	69.3	81.0	92.1	92.1	90.7	82.2	91.5	**86.0**	77.7
1980	84.9	84.6	80.0	82.5	71.5	71.8	71.8	70.2	75.8	73.4	91.6	93.9	86.6	88.0	**81.8**	58.9
1981	79.8	83.4	79.5	80.7	97.8	84.9	87.1	65.0	79.9	74.5	91.8	82.8	53.4	84.7	**82.3**	66.7
1982	66.4	69.0	61.9	64.9	86.4	72.8	75.7	56.3	66.8	70.0	72.4	75.0	50.9	71.1	**69.0**	52.3
1983	71.6	84.0	80.2	79.2	88.7	90.6	90.2	65.1	79.4	91.0	79.3	81.2	66.4	81.3	**80.4**	72.1
1984	86.7	83.8	86.8	86.0	92.4	76.1	79.8	65.5	78.7	79.2	78.7	83.1	74.4	79.3	**79.0**	80.0
1985	78.5	75.8	84.9	81.1	78.6	93.6	89.8	70.7	80.8	77.6	72.5	100.0	72.2	77.2	**79.0**	NA

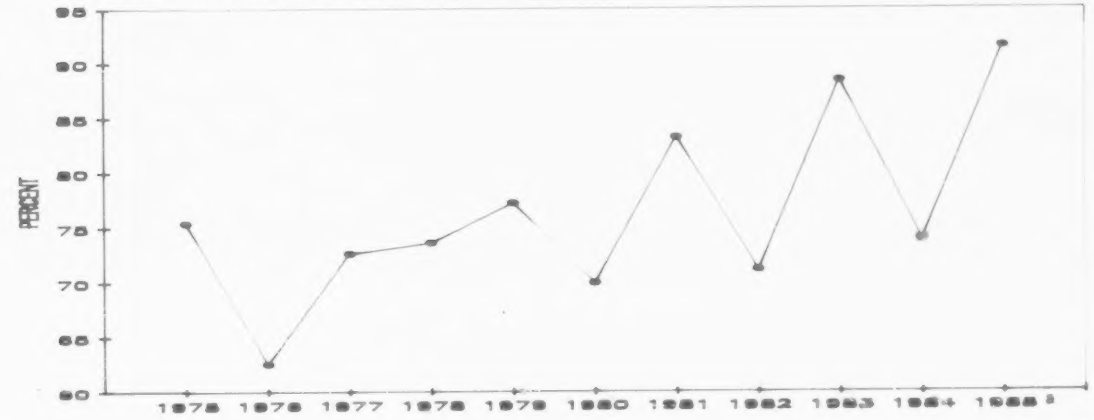
NA means not available.

a. 1983 and 1984 exclude Aramid.

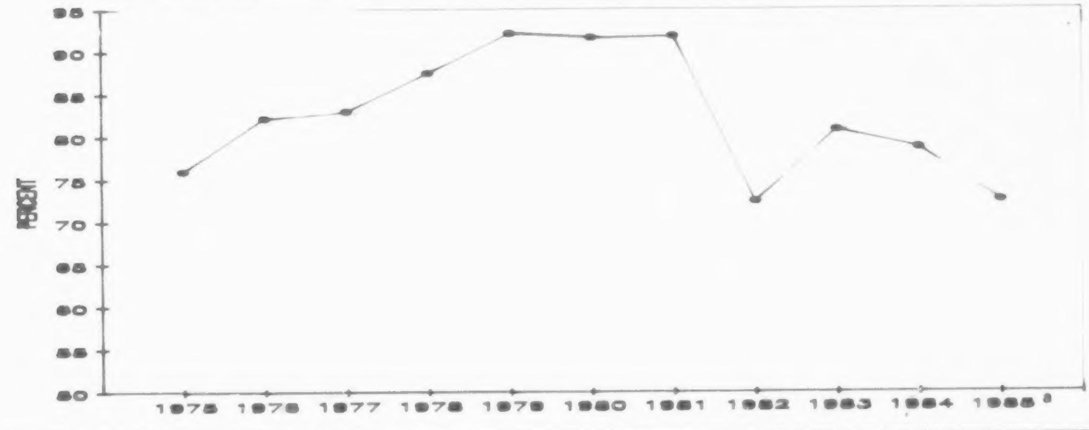
All percentages are tabulated using the tables on pages 6 and 8.



GRAPH 2:
NYLON CARPET YARN CAPACITY UTILIZATION



GRAPH 3:
POLYESTER TEXTILE YARN CAPACITY UTILIZATION



GRAPH 4:
POLYESTER STAPLE+TOW CAPACITY UTILIZATION

a. Utilization based on November 1985 capacity survey and annualized January-December production data

ANNUAL U.S. FIBER SHIPMENT SUMMARY

The U.S. man-made fiber industry experienced a small improvement in 1985, as overall shipments rose slightly from 1984 levels.

- **Cellulosic Yarn** shipments increased by 6% in 1985, as compared to 1984 when shipments fell by over 12%.
- **Rayon Staple** deliveries declined over 6% in 1985, while shipments rose nearly 2% in 1984.
- **Noncellulosic Yarn** shipments improved over 8% in 1985, but shipments in 1984 fell almost by 2%.
- **Noncellulosic Staple** shipments decreased by 3% in 1985, as compared to 1984 when shipments rose by ½%.

MAN-MADE FIBER TRADE BALANCE

The U.S. man-made fiber balance of trade fell in November as the net-export balance of trade declined to 34.1 million pounds, down 10.7% from the 38.2 million pound export balance in October. Falling exports and relatively stable imports of man-made fiber resulted in the declining trade balance. Imports of fiber totaled 28.4 million pounds, up 1% from the 28.1 million pounds imported in October. Exports of fiber in November amounted to 62.5 million pounds, a decline of 5.6% from the 66.2 million pounds exported in October. The November trade balance is 40% below that of November 1984. This month's exports are 21.5% below the level of last November, whereas imports have soared 24% during the same period.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ORGANON.

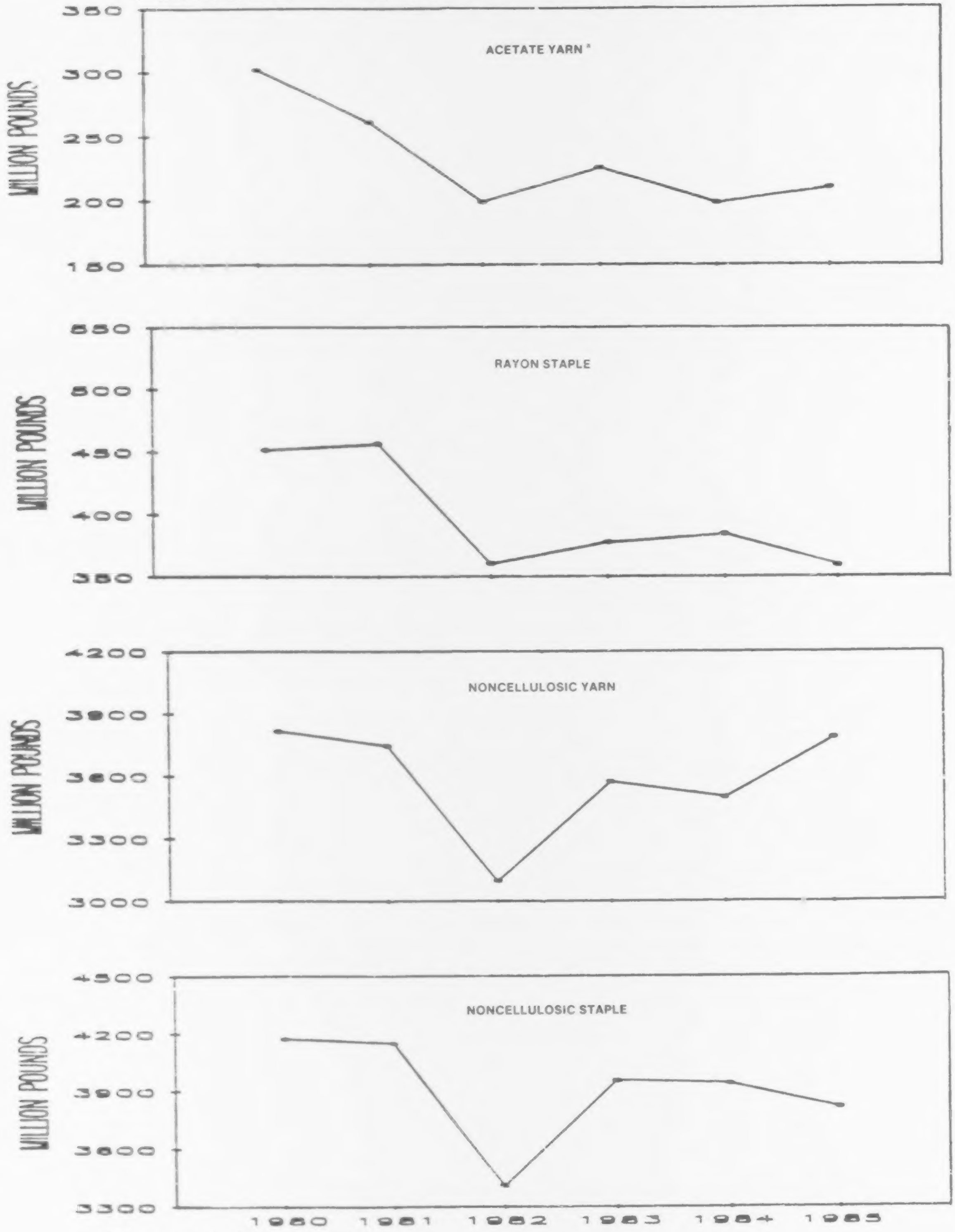
TABLE 8: TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *Percent*

ITEM	1985	1984	%[a]	1983	%[b]	1982	%[c]
YARN+MONOFILAMENTS							
CELLULOSIC YARN[e]	**210.1**	**198.3**	*+6.0*	**225.8**	*-7.0*	**198.8**	*+5.7*
NYLON[d] - INDUSTRIAL	345.1	375.1	*-8.0*	318.1	*+8.5*	324.5	*+6.3*
- LOW DENIER INDUSTRIAL	28.5	34.0	*-16.2*	35.5	*-19.7*	29.5	*-3.4*
- CARPET	835.4	794.9	*+5.1*	762.6	*+9.5*	582.1	*+43.5*
- TEXTILE	326.9	353.4	*-7.5*	381.4	*-14.3*	331.6	*-1.4*
POLYESTER - INDUSTRIAL	292.1	313.1	*-6.7*	307.6	*-5.0*	288.0	*+1.4*
- LOW DENIER INDUSTRIAL	22.9	24.8	*-7.7*	26.0	*-11.9*	22.4	*+2.2*
- TEXTILE	997.5	860.2	*+16.0*	1027.1	*-2.9*	927.1	*+7.6*
OLEFIN	938.2	742.1	*+26.4*	714.2	*+31.4*	592.3	*+58.4*
TOTAL NONCELLULOSIC ABOVE	**3786.6**	**3497.6**	*+8.3*	**3572.5**	*+6.0*	**3097.5**	*+22.2*
STAPLE+TOW+FIBERFILL							
RAYON	**358.7**	**384.0**	*-6.6*	**377.4**	*-5.0*	**360.2**	*-0.4*
NYLON[d]	843.6	831.3	*+1.5*	911.2	*-7.4*	689.9	*+22.3*
ACRYLIC+MODACRYLIC	643.8	666.2	*-3.4*	654.7	*-1.7*	632.2	*+1.8*
POLYESTER	2038.6	2192.4	*-7.0*	2197.8	*-7.2*	1941.6	*+5.0*
OLEFIN+VINYON	287.4	246.7	*+16.5*	189.7	*+51.5*	143.8	*+99.9*
TOTAL NONCELLULOSIC ABOVE	**3813.4**	**3936.6**	*-3.1*	**3953.4**	*-3.5*	**3407.5**	*+11.9*

a. Percent change from 1984 to 1985.
b. Percent change from 1983 as compared to 1985 only.
c. Percent change from 1982 as compared to 1985 only.
d. 1983-1985 data for Nylon excludes Aramid but Aramid is included in prior years.
e. 1982-1984 data for Acetate only. 1985 includes Rayon and Acetate Yarn.

GRAPH 5:
ANNUAL SHIPMENT COMPARISON



a. 1985 data includes Rayon & Acetate Yarn.

TABLE 9:
1984 MAN-MADE FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY (EXCEPT OLEFIN & TEXTILE GLASS)

MILLION POUNDS

COUNTRY & AREA	CELLULOSIC								NONCELLULOSIC								TOTAL MAN-MADE FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW				PROD	IMPORT	EXPORT	CELL SPUN	NC SPUN	NET AVAIL.
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL						
WEST EUROPE																						
AUSTRIA	32.6	24.0	11.0	45.6	251.3	7.5	181.2	77.6	0	44.8	8.6	36.2	39.9	48.9	43.0	45.8	323.8	125.2	243.8	-16.4	-5.9	182.9
BENELUX	90.6	47.1	153.4	15.7	0	53.2	2.4	50.8	137.8	481.4	198.4	420.8	50.7	257.7	100.1	208.3	279.1	839.4	454.3	+14.6	+26.5	705.3
IRELAND (EIRE)	0	3.2	0.1	3.1	0	6.3	0.2	6.1	25.4	27.0	30.4	22.0	82.7	6.5	106.8	17.6	108.1	43.0	137.5	+0.8	-0.2	14.2
FINLAND	0	3.1	0.1	3.0	127.9	8.0	131.5	4.4	1.1	27.0	4.2	23.9	0	39.6	0.2	39.4	129.0	77.7	136.0	+1.5	+7.4	79.6
FRANCE	16.5	66.3	24.2	58.6	41.9	45.0	35.6	51.3	132.7	172.7	114.1	191.3	294.5	231.2	189.2	336.5	485.6	515.2	363.1	+8.0	+3.2	648.9
GERM., FED. REP.[a]	145.5	87.3	207.3	25.5	121.3	80.7	99.5	102.5	770.9	168.6	574.0	365.5	928.8	255.9	680.0	504.7	1966.5	592.5	1560.8	+0.8	-15.3	983.7
GREECE	13.2	0.3	14.1	0.6	0	10.0	+	10.0	19.8	11.7	13.3	18.2	22.0	46.9	12.3	56.6	55.0	68.9	39.7	+0.3	-1.9	82.6
ITALY/MALTA	67.5	49.1	40.4	76.2	0	110.4	3.4	107.0	327.4	152.0	280.4	199.0	816.6	341.0	571.0	586.6	1211.5	652.5	895.2	-10.6	-120.8	837.4
NORWAY	0	0.4	+	0.4	0	6.3	4.5	1.8	0	11.4	1.6	9.8	0	8.9	+	8.9	0	27.0	6.1	+0.2	+1.1	22.2
PORTUGAL	7.7	4.6	0.4	11.9	0	19.3	0.2	19.1	6.6	42.4	4.8	44.2	88.2	17.9	10.8	95.3	102.5	84.2	16.2	-0.3	-5.7	164.5
SPAIN	15.9	11.8	2.5	25.2	57.5	18.1	1.2	74.4	153.0	20.0	32.2	140.8	351.2	77.2	104.5	323.9	577.6	127.1	140.4	-0.4	-39.1	524.8
SWEDEN	0	2.7	0.5	2.2	88.4	6.7	68.9	26.2	0	29.9	0.8	29.1	0	23.3	0.3	23.0	88.4	62.6	70.5	-0.5	+3.4	83.4
SWITZERLAND	0	3.9	1.4	2.5	0	17.1	0.5	16.6	153.7	20.1	161.2	12.6	62.4	31.7	63.9	30.2	216.1	72.8	227.0	+0.5	+0.8	63.2
TURKEY	0.7	12.9	0	13.6	9.9	19.8	0	29.7	115.7	50.2	22.0	143.9	239.6	62.1	110.0	191.7	365.9	145.0	132.0	+	-25.3	353.6
UNITED KINGDOM	46.3	29.3	42.6	33.0	234.1	42.7	192.3	84.5	179.7	251.6	142.3	289.0	339.5	182.3	208.6	313.2	799.6	505.9	585.8	+2.7	+68.3	790.7
TOTAL WEST EUROPE	**436.5**	**346.0**	**498.0**	**284.5**	**932.3**	**451.1**	**721.4**	**662.0**	**2023.8**	**1510.8**	**1588.3**	**1946.3**	**3316.1**	**1631.1**	**2200.7**	**2746.5**	**6708.7**	**3939.0**	**5008.4**	**+1.2**	**-103.5**	**5537.0**
U.S.A.	**239.0**	**10.0**	**8.8**	**240.2**	**389.6**	**17.0**	**56.0**	**350.6**	**1777.4**	**90.0**	**242.5**	**1624.9**	**3697.3**	**131.2**	**429.6**	**3398.9**	**7103.3**	**248.2**	**736.9**	**+1.6**	**+16.3**	**6632.5**
OTHER AMERICAS																						
ARGENTINA	4.0	2.0	0	6.0	3.3	3.6	0	6.9	55.1	5.3	0	60.4	43.2	19.1	+	62.3	105.6	30.0	+	0	0	135.6
BRAZIL	39.0	0.5	9.4	30.1	63.9	0.5	17.2	47.2	260.6	2.9	28.4	235.1	215.2	1.7	55.1	161.8	578.7	5.6	110.1	+	-4.5	469.7
CANADA	22.0	24.3	9.3	37.0	61.3	4.1	42.9	22.5	137.3	99.0	36.0	200.3	130.1	86.3	18.4	198.0	350.7	213.7	106.6	-1.0	-12.7	444.1
CHILE	2.6	0.5	0	3.1	8.2	4.7	0	12.9	11.9	2.3	0	14.2	2.4	28.1	0	30.5	25.1	35.6	0	0	+0.2	60.9
COLOMBIA	4.0	+	0	4.0	0	5.1	0	5.1	66.1	3.0	0	69.1	26.5	15.6	0	42.1	96.6	23.7	0	0	0	120.3
COSTA RICA	0	+	0	+	0	+	0	+	7.7	2.9	0.5	10.1	0	5.2	2.4	2.8	7.7	8.1	2.9	0	0	12.9
CUBA	4.4	0.1	0.1	4.4	7.7	0	0	7.7	0	1.6	0	1.6	0	0	0	0	12.1	1.7	0.1	0	0	13.7
ECUADOR	0	0.6	0	0.6	0	5.2	0	5.2	8.8	1.7	0	10.5	0	8.1	0	8.1	8.8	15.6	0	0	0	24.4
MEXICO	24.0	+	1.1	22.9	8.8	9.6	+	18.4	302.5	1.7	2.4	301.8	326.3	2.2	28.6	299.9	661.6	13.5	32.1	0	-3.4	639.6
PERU	3.7	1.6	+	5.3	0	1.5	+	1.5	26.5	0.9	0.2	27.2	64.8	1.6	0	66.4	95.0	5.6	0.2	+0.1	+0.1	100.6
URUGUAY	2.2	0	0	2.2	0	1.9	0	1.9	2.9	0.2	0.5	2.6	7.5	0.9	0.2	8.2	12.6	3.0	0.7	0	0	14.9
VENEZUELA	3.3	0.3	0.2	3.4	0	25.9	0	25.9	22.5	2.7	0	25.2	12.1	4.8	0	16.9	37.9	33.7	0.2	0	0	71.4
TOTAL O. AMERICAS	**109.2**	**29.9**	**20.1**	**119.0**	**153.2**	**62.1**	**60.1**	**155.2**	**901.9**	**124.2**	**68.0**	**958.1**	**828.1**	**173.6**	**104.7**	**897.0**	**1992.4**	**389.8**	**252.9**	**-0.9**	**-20.3**	**2108.1**
JAPAN	**244.3**	**2.4**	**100.5**	**146.2**	**587.7**	**0.4**	**264.5**	**323.6**	**397.7**	**57.0**	**287.8**	**166.9**	**1621.0**	**29.2**	**527.6**	**1122.6**	**2850.7**	**89.0**	**1180.4**	**-4.0**	**-94.3**	**1661.0**
AFRICA, ASIA & OCEANIA																						
AUSTRALIA/N.Z.	0	3.6	0	3.6	0	9.1	0.4	8.7	32.0	36.3	0.2	68.1	2.2	29.6	0.2	31.6	34.2	78.6	0.8	+0.1	+6.1	118.2
BANGLADESH	5.5	0	+	5.5	2.2	6.6	0	8.8	0.7	0.7	0	1.4	22.2	0.4	0	22.6	30.6	7.7	+	0	0	38.3
EGYPT	15.4	1.5	0	16.9	10.1	7.9	0	18.0	8.8	18.7	0	27.5	32.2	15.4	1.9	45.7	66.5	43.5	1.9	0	+3.3	111.4
INDIA	97.4	5.0	1.6	100.8	207.2	32.8	0	240.0	215.6	14.0	0.6	229.0	121.7	17.3	0.4	138.6	641.9	69.1	2.6	+	-0.2	708.2
INDONESIA	0	11.0	7.5	3.5	27.8	3.7	+	31.5	166.4	30.5	3.3	193.6	161.6	95.9	0.1	257.4	355.8	141.1	10.9	-4.6	+2.4	483.8
IRAN	0	12.1	0	12.1	0	82.9	0	82.9	39.7	25.6	0	65.3	50.7	32.7	0	83.4	90.4	153.3	0	0	+40.3	284.0
IRAQ	6.6	3.7	0	10.3	12.1	2.5	0	14.6	0	6.7	0	6.7	0	7.7	0	7.7	18.7	20.6	0	-0.4	+2.4	41.3
ISRAEL	0	1.5	0	1.5	0	6.1	0	6.1	27.3	18.3	14.0	31.6	15.4	6.9	7.6	14.7	42.7	32.8	21.6	-0.3	-2.3	51.3
KENYA	0	0	0	0	0	5.7	0	5.7	9.9	2.2	0	12.1	2.2	3.7	0	5.9	12.1	11.6	0	0	0	23.7
KOREA, REP. OF	28.2	22.6	7.6	43.2	0	48.7	0	48.7	814.2	30.8	122.0	723.0	830.9	62.2	122.2	770.9	1673.3	164.3	251.8	-2.7	-128.4	1454.7
MALAYSIA	0	0.2	+	0.2	0	3.7	0	3.7	0	1.6	0	1.6	78.3	17.5	0.2	95.6	78.3	23.0	0.2	+	-2.9	98.2
NIGERIA	0	0.6	0	0.6	0	6.8	0	6.8	6.6	5.6	0	12.2	6.6	1.8	0	8.4	13.2	14.8	0	-0.2	0	27.8
PAKISTAN	6.8	5.9	0	12.7	0	39.1	0	39.1	30.6	18.6	0	49.2	44.8	30.3	0	75.1	82.2	93.9	0	0	0	176.1
PHILIPPINES	0	0.6	0.1	0.5	0	13.3	0	13.3	81.6	5.7	0	87.3	35.3	18.2	0	53.5	116.9	37.8	0.1	0	0	154.6
SOUTH AFRICA	0	8.1	0	8.1	0	18.3	0	18.3	79.4	24.4	7.5	96.3	46.3	60.0	1.1	105.2	125.7	110.8	8.6	+0.2	+0.5	228.6
SRI LANKA	0	+	0	+	0	3.9	0	3.9	2.2	0.7	0	2.9	0	1.9	0	1.9	2.2	6.5	0	0	0	8.7
TAIWAN	5.5	5.5	5.4	5.6	276.7	13.4	52.3	237.8	921.3	37.6	388.3	570.6	987.7	120.5	201.8	906.4	2191.2	177.0	647.8	-9.6	-148.7	1562.1
THAILAND	0	1.1	+	1.1	39.7	2.5	15.2	27.0	81.6	0.1	1.9	79.8	115.5	15.2	0	130.7	236.8	18.9	17.1	0	-0.9	237.7
TOT. A, A & O ABOVE	**165.4**	**83.0**	**22.2**	**226.2**	**575.8**	**307.0**	**67.9**	**814.9**	**2517.9**	**278.1**	**537.8**	**2258.2**	**2553.6**	**537.2**	**335.5**	**2755.3**	**5812.7**	**1205.3**	**963.4**	**-17.5**	**-228.4**	**5808.7**
HUNGARY	0	11.2	0.4	10.8	15.4	18.5	4.9	29.0	17.6	13.1	4.3	26.4	36.6	18.8	8.8	46.6	69.6	61.6	18.4	+0.9	+2.3	116.0
POLAND	43.0	5.4	0.2	48.2	123.5	17.8	0.5	140.8	192.7	9.6	0.7	201.6	147.7	8.6	2.7	153.6	506.9	41.4	4.1	+0.2	+4.1	548.5

---

[a] German export data are partially estimated.

NET-AVAILABLE SUPPLY

The 1984 by-country production, import, export and net-available or retained supply of four categories of man-made fiber are tabulated on page 13.

"**Net-available Supply**" is defined as production plus imports less exports plus the balance of trade in spun yarn. Sometimes this is also called "**apparent consumption**".

Regarding the data in Table 9, acetate cigarette tow has been excluded, while imports and exports of tire cord and tire cord fabric have been included.

"**Yarn**" is defined to include tire cord and tire cord fabric, filament yarn and monofilaments.

"**Staple**" is defined to include tow, fiberfill, tops and advanced waste. Unprocessed waste is not included.

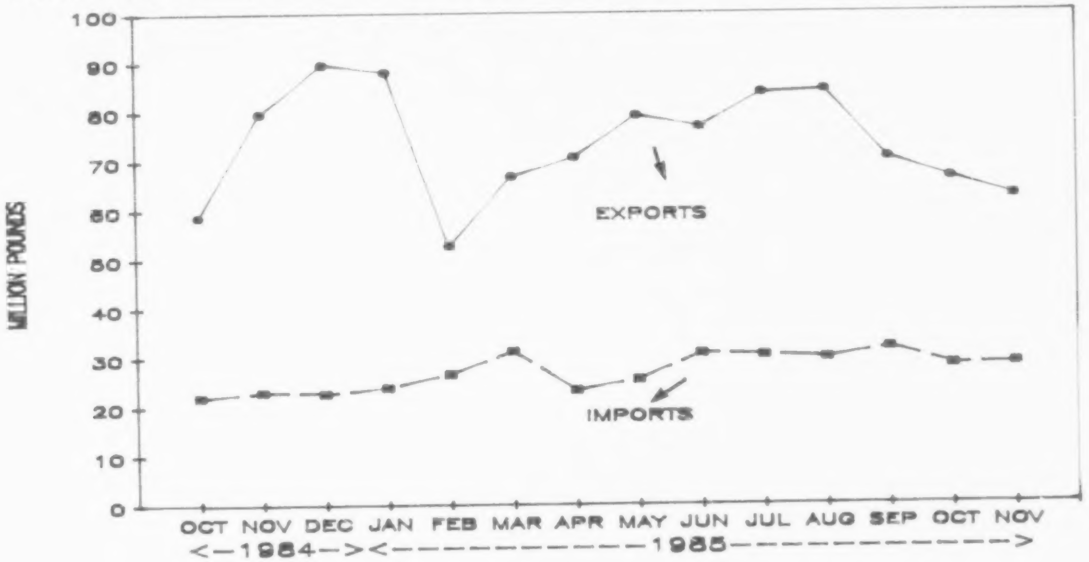
In a few cases, where a country's import or export data could not be accurately separated as either cellulosic or noncellulosic fiber, a division was estimated. Also, when the known exports from the United States or other countries to a certain country were more than that country's reported imports, the larger figure was used.

Except for spun yarns, the imports and exports of manufactured and semimanufactured man-made fiber products (e.g., fabric, dresses, hosiery, etc.) are not included in the data.

The spun yarn data are shown under the "**Total Man-Made Fiber**" columns in Table 9; space does not permit the presentation of the import and export data separately. These data may include some poundages of blending fibers other than man-made fibers.

A net import poundage is shown in the "**spun**" column as (+); in other words, an addition to a country's net-available supply, while conversely a net export, is (-). For example, the net 1984 cellulosic yarn figure for France is shown as +8.0, which consists of imports of 13.4 (+13.4) and exports of 5.4 (-5.4).

GRAPH 6:
IMPORTS VS EXPORTS OF MAN—MADE FIBER



GRAPH 7:
MAN—MADE FIBER MONTHLY TRADE BALANCE

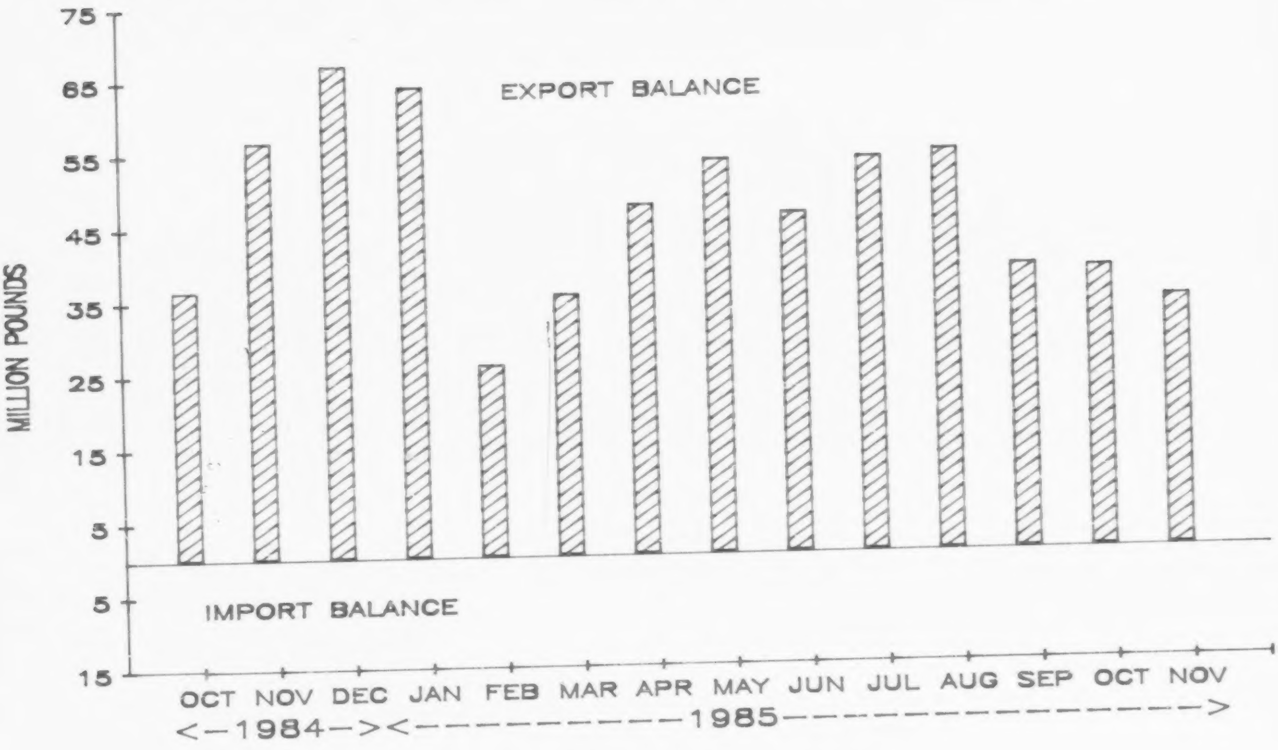


TABLE 10:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1984			1985										
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
CELLULOSIC YARN+MONOFILAMENTS	0.1 E	0.1 I	1.2 I	0.3 I	0.7 I	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I
CELLULOSIC STAPLE+TOW	1.9 E	1.1 E	3.1 E	1.6 E	0.8 E	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E
NONCELLULOSIC YARN+MONOFILAMENTS	10.6 E	14.7 E	19.6 E	14.5 E	12.2 E	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E
NONCELLULOSIC STAPLE+TOW	22.1 E	38.7 E	40.4 E	45.0 E	16.6 E	23.4 E	24.9 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E
CELLULOSIC WASTE	0.1 I	0.2 E	0.1 E	+	+	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E	+	+
NONCELLULOSIC WASTE	2.0 E	2.1 E	5.0 E	3.2 E	2.8 I	0.7 I	+	2.2 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E
TOTAL	**36.6 E**	**56.7 E**	**67.0 E**	**64.0 E**	**26.1 E**	**35.6 E**	**47.3 E**	**53.6 E**	**46.2 E**	**53.6 E**	**54.5 E**	**38.7 E**	**38.2 E**	**34.1 E**

I means net-import balance.
E means net-export balance.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1985												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1985	1984
CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	120	131	140	185	199	256	138	293	284	310	272		2328	2123
MEXICO	33	40	36	138	64	183	122	81	222	176	94		1189	654
FRANCE	27	0	0	30	0	0	0	0	30	0	0		87	361
GERMANY, FED. REP. OF	686	424	358	169	382	645	360	547	729	412	510		5222	3821
NETHERLANDS	77	76	84	145	36	209	101	128	130	200	103		1289	484
JAPAN	96	73	10	66	9	58	0	85	83	54	11		545	518
REP. OF KOREA	0	0	0	22	9	130	0	80	120	180	80		621	270
ALL OTHER COUNTRIES[a]	71	60	112	91	91	145	162	88	107	246	264		1437	356
TOTAL CELL. YARN	**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**	**1578**	**1334**		**12718**	**8587**
CELLULOSIC STAPLE+TOW														
CANADA	788	662	561	548	522	348	556	545	649	516	661		6356	7720
AUSTRIA	62	88	19	20	0	20	0	153	0	178	114		654	1749
SWEDEN	314	368	271	595	1	0	189	90	0	0	0		1828	3533
UNITED KINGDOM	162	268	180	53	52	62	47	144	81	115	1		1165	1387
JAPAN	20	32	59	92	91	5	29	100	68	77	0		573	1259
ALL OTHER COUNTRIES[b]	35	0	223	0	50	2	1	38	7	273	61		690	196
TOTAL CELL. STAPLE+TOW	**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**805**	**1159**	**837**		**11266**	**15844**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	962	716	939	1085	1038	1507	1924	2334	1160	1599	1567		14831	16320
COSTA RICA	0	0	30	0	7	31	1	14	168	47	40		338	444
MEXICO	624	588	923	566	435	1099	766	687	471	681	925		7765	13740
AUSTRIA	83	109	89	126	43	44	31	54	35	117	98		829	324
BELGIUM	205	454	949	519	540	1084	642	404	747	419	296		6259	513
FRANCE	682	441	320	314	104	471	375	546	519	335	310		4417	2923
GERMANY, FED. REP. OF	1676	1879	2645	1170	1639	1308	1368	739	1392	1021	783		15620	14381
ITALY	1528	911	925	258	529	2020	1581	1391	1027	1514	811		12495	7932
NETHERLANDS	93	1	37	54	98	79	136	53	91	19	239		900	639
SPAIN	1	0	+	0	2	1	0	2	+	7	0		13	362
SWITZERLAND	35	26	32	14	32	26	10	126	548	876	712		2437	459
UNITED KINGDOM	591	612	807	575	638	629	517	330	246	520	544		6009	4280
ISRAEL	78	274	98	182	286	278	142	232	363	181	256		2370	1673
JAPAN	584	793	473	875	724	462	475	332	277	818	407		6220	13985
REP. OF KOREA	3	1	1	4	1	0	1	0	20	8	1		40	294
TAIWAN	9	1	21	19	33	38	30	7	59	63	49		329	529
ROMANIA	88	0	0	0	22	0	0	0	44	0	0		154	551
SOUTH AFRICA	286	209	1618	986	1189	1260	902	966	1889	633	871		10809	3140
ALL OTHER COUNTRIES[c]	242	290	184	748	372	423	949	383	1393	168	65		5217	1063
TOTAL N.C. YARN	**7770**	**7305**	**10091**	**7495**	**7732**	**10760**	**9850**	**8600**	**10449**	**9026**	**7974**		**97052**	**83552**
NONCELLULOSIC STAPLE+TOW														
BRAZIL	278	415	935	0	670	536	55	264	72	24	0		3249	1018
CANADA	1640	2153	1296	2287	2591	2214	2085	2626	2439	2394	1208		22933	12853
COSTA RICA	86	330	187	260	144	189	400	221	329	242	176		2564	2174
MEXICO	1111	433	772	345	420	953	623	587	970	455	568		7237	16795
BELGIUM	127	85	12	67	18	20	18	57	59	15	6		484	421
FRANCE	920	1032	923	621	392	656	1177	1041	616	566	1196		9140	4428
GERMANY, FED. REP. OF	1656	1970	1670	1456	2367	2402	3090	2897	2683	3669	4172		28032	28717
ITALY	527	411	2448	481	506	1639	2162	2475	1313	1534	1976		15472	11483
NETHERLANDS	74	27	67	29	32	3	40	33	27	32	12		376	608
SWITZERLAND	18	146	11	71	19	40	22	14	21	35	6		403	364
UNITED KINGDOM	740	1287	879	847	1619	1387	1380	1133	778	889	1625		12564	14174
ISRAEL	0	1	55	77	127	262	95	150	65	126	177		1135	161
JAPAN	1154	1247	1567	1982	2289	2345	1693	2628	2682	1728	2229		21544	13492
REP. OF KOREA	37	170	165	928	475	346	317	345	579	385	249		3996	460
TAIWAN	1301	1033	2115	865	1290	1354	2199	1313	1661	1021	1933		16085	10884
ROMANIA	83	88	95	36	29	99	136	29	201	80	137		1013	2075
SOUTH AFRICA	49	131	0	25	57	24	27	28	83	52	116		592	451
ALL OTHER COUNTRIES[d]	43	101	44	190	160	159	164	48	147	260	214		1530	872
TOTAL N.C. STAPLE+TOW	**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**	**13507**	**16000**		**148349**	**121430**

+ Means a nominal poundage.

Other countries supplying 1985 poundages are:

[a] Australia 1, Austria 22, Belgium 47, Brazil 673, Egypt 20, Hong Kong 12, Ireland 147, Italy 6, China, PRC 4, Sweden 10, Taiwan 90, Thailand 36, United Kingdom, 369.

[b] Belgium 3, Brazil 1, Fed. Rep. of Germany 105, Finland 79, France 14, Hong Kong 2, Italy 43, Mexico 259, Netherlands 3, Romania 16, Taiwan 165.

[c] Argentina 33, Australia 1091, Brazil 233, Chili 41, Denmark 144, German Dem. Rep. 24, Hong Kong 4, Iran 51, Ireland 218, Lebanon +, Morocco 55, Norway 204, Portugal 2, China, PRC 2, Singapore 77, Solomon Islands 10, Sweden 194, Turkey 47, Yugoslavia 2787.

[d] Australia 230, Austria 222, Denmark 118, Finland 307, Gabon 42, Hong Kong 5, Iceland 35, India 21, Ireland 335, Jordan 16, Kiribat 29, Philippines +, Portugal +, Spain 1, Sweden 35, Turkey 8, Yugoslavia 126.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310 0106 & 0206	0	0	38	41	0	0	0	37	16	44	14		190	1500
OTHER	310 0130 & 0230[a]	1105	751	697	726	748	1547	723	1164	1622	1483	1222		11788	6922
MONOFILAMENTS	309 0310 & 0610	0	17	1	0	0	0	0	0	1	0	0		19	5
STRIPS, $1/LB & UNDER	309 2000*	5	36	4	79	42	79	160	101	66	51	98		721	160
SUBTOTAL ABOVE		**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**	**1578**	**1334**		**12718**	**8587**
STAPLE	309 4320 & 4325	1319	1255	1255	1186	610	408	745	877	761	1042	836		10294	14434
GROUPED FILAMENTS	309 3010 & 3110	62	163	58	122	106	29	77	193	44	117	1		972	1410
SUBTOTAL ABOVE		**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**805**	**1159**	**837**		**11266**	**15844**
WASTE, ADVANCED & NOT ADVANCED	309 6500 & 7510[b]	**96**	**73**	**0**	**41**	**0**	**0**	**78**	**0**	**0**	**44**	**67**		**399**	**483**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310 0109 & 0209	2115	1670	2496	1646	992	4129	3940	3733	4263	3886	2355		31225	16315
- POLYESTER	310 0110 & 0210	654	758	2492	1531	1834	1670	1394	1065	1848	1061	1245		15552	10340
- OTHER	310 0114 & 0214	1157	1238	1081	816	1002	1263	1265	1031	1018	1391	1418		12680	7888
OTHER - NYLON	310 0149 & 0249	2037	1819	1450	2132	1950	1961	1783	1219	727	1174	1039		17291	28279
- POLYESTER	310 0150 & 0250	1336	1326	2183	838	1483	1291	1017	1263	2112	1113	1297		15259	14661
- OTHER	310 0170 & 0270[c]	179	243	140	182	281	108	136	75	107	125	480		2056	2281
MONOFILAMENTS	309 0200 & 0330[d]	240	133	190	238	118	196	204	103	241	154	90		1907	2748
STRIPS, OVER $1/LB	309 2100 & 2500*	52	118	59	112	72	142	111	111	133	122	50		1082	1040
SUBTOTAL ABOVE		**7770**	**7305**	**10091**	**7495**	**7732**	**10760**	**9850**	**8600**	**10449**	**9026**	**7974**		**97052**	**83552**
STAPLE - NYLON	309 4338	2329	1897	4525	2186	2030	3786	4667	5085	2733	3553	4148		36939	35022
- POLYESTER	309 4342	1623	2018	1854	2551	2736	2382	2233	2149	2880	2050	1936		24412	21514
- ACRYLIC	309 4345	1392	967	1073	1089	1102	1385	1483	2073	2388	1115	2119		16186	12673
- OLEFIN	309 4346	38	169	270	355	583	796	472	841	737	733	367		5361	1981
- OTHER	309 4355	1838	1645	2997	894	2464	2233	1949	2155	2570	1946	2935		23626	14551
GROUPED FILAMENTS															
NYLON	309 3030 & 3130[l]	1742	3045	1957	2013	3112	2351	3233	2381	1865	2931	2971		27601	21190
POLYESTER	309 3040 & 3140[m]	372	335	188	270	160	668	921	464	519	325	380		4602	6673
ACRYLIC	309 3050 & 3150[n]	440	832	273	916	935	761	530	500	867	404	190		6648	6335
OTHER	309 3065 & 3165[o]	70	152	104	293	83	266	195	241	166	450	954		2974	1491
SUBTOTAL ABOVE		**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**	**13507**	**16000**		**148349**	**121430**
WASTE, NOT ADVANCED															
- NYLON	309 6625	3094	4321	3549	1975	1905	1757	1943	1888	2742	1807	1112		26093	28548
- POLYESTER	309 6630	445	950	1386	435	474	1001	391	259	414	332	568		6655	7623
- ACRYLIC	309 6645	+	0	10	20	58	0	0	53	61	61	20		283	39
- OTHER	309 6660	12	197	169	37	37	291	126	328	323	174	195		1889	3779
NOILS & GARNETTED FIBERS	309 6000 & 7000*	0	0	62	31	0	0	0	31	0	0	31		155	302
OTHER WASTE ADVANCED	309 7525 - .7555	44	368	498	334	431	52	408	176	450	413	244		3418	6432
SUBTOTAL ABOVE		**3595**	**5836**	**5674**	**2832**	**2905**	**3101**	**2868**	**2735**	**3990**	**2787**	**2170**		**38493**	**46723**
TOTAL MAN-MADE ABOVE		**23796**	**26496**	**31059**	**23089**	**25348**	**30552**	**30184**	**29596**	**31674**	**28101**	**28382**		**308277**	**276610**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310 1106	0	0	+	1	0	0	0	0	0	0	0		1	1
- NONCELLULOSIC	310 1015* & 1109[f]	1106	665	740	248	365	747	1052	910	1203	960	708		8704	11330
OTHER - CELLULOSIC	310 1030 & 1135[g]	48	18	17	6	27	130	17	68	+	55	3		389	163
- NONCELLULOSIC	310 1050 & 1070[h]	346	503	337	392	894	480	340	404	116	48	59		3919	2449
SPUN YARN - CELLULOSIC	310 4005 & 4030	83	143	119	110	168	143	160	150	253	97	232		1658	1387
- OTHER	310 4015 & 4027[j]	2643	1623	2810	2749	4479	3393	2901	2315	4283	2514	2278		31988	32486
OTHER YARNS - NES, INCL. CHENILLE	310 6029 - 8000	682	296	626	250	1126	1143	668	832	1096	722	899		8340	6882
HANDWORK YARNS & SEWING THREAD	310 9000 - 9140[p]	451	462	739	833	851	780	742	674	995	767	1132		8426	4855
SLIVER, TOPS & ROVING	309 9000	205	241	410	131	227	165	149	44	111	78	89		1850	4310
TEXTILE GLASS FIBER	309 2800 & 2900*	2454	1496	3565	3438	2160	3771	2589	2727	3063	1975	3136		30374	22144
GRAND TOTAL ABOVE		**31814**	**31943**	**40422**	**31247**	**35645**	**41304**	**38802**	**37720**	**42794**	**35317**	**36918**		**403926**	**362626**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 309.6615.

c. Also includes 310.0530, .0550, .0630 & .0650.

d. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

e. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

f. Also includes 310.1110 & .1114.

g. Also includes 310.2010 & .2110.

h. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

i. Also includes 310.5005 & .5030.

j. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, 5049 & .5051.

k. Chiefly roving. Also includes 309.9800 & .9900.

l. Also includes 309.3200.

m. Also includes 309.3340.

n. Also includes 309.3350.

o. Also includes 309.3365.

p. Also includes 310.9300 & .9500.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR-TO-DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	4	30	4	2	7	2	15	+	5	21		90	128
OTHER[b]	310.0026	811	117	971	765	697	816	841	873	535	771	1244		8441	8387
MONOFILAMENTS	309.0110	0	0	0	60	4	0	0	9	0	6	0		79	12
STRIPS	309.2210	0	7	0	0	0	0	0	0	30	0	0		37	64
SUBTOTAL ABOVE		**811**	**128**	**1001**	**829**	**703**	**823**	**843**	**897**	**565**	**782**	**1265**		**8647**	**8591**
STAPLE+TOW-RAYON	309.4222	2925	2042	3375	4870	2144	4517	1486	5258	1713	3434	2368		34132	49778
STAPLE-ACETATE	309.4219	12	133	140	133	70	295	203	102	166	138	148		1540	1985
SUBTOTAL ABOVE		**2937**	**2175**	**3515**	**5003**	**2214**	**4812**	**1689**	**5360**	**1879**	**3572**	**2516**		**35672**	**51763**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**72**	**119**	**161**	**113**	**137**	**141**	**94**	**48**	**114**	**69**	**53**		**1121**	**1568**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	2478	2450	2480	2073	1961	1467	2065	3201	2640	2472	1764		25051	29874
- HIGH TENACITY[c]	310.0027	4921	6044	6255	5527	7101	4516	4898	5777	7480	5838	6412		64769	59394
- OTHER	310.0029	883	1002	954	824	610	600	584	657	842	870	731		8557	12486
POLYESTER-TEXTURED	310.0010	7465	5968	5803	13481	10315	16481	15935	13323	9756	10519	13058		122104	70911
- HIGH TENACITY[c]	310.0032	865	795	641	946	4285	4748	3641	4365	4330	3308	1675		29599	8568
- OTHER	310.0034[d]	2458	102	422	295	1114	759	382	781	822	622	524		8281	4067
OTHER - TEXTURED	310.0014	264	588	1152	258	509	636	1154	1024	1365	658	1068		8676	7088
- OLEFIN	309.0040	52	5	61	18	47	67	49	63	28	38	53		481	331
- OTHER	310.0044	557	572	607	711	655	1741	810	394	358	277	575		7257	4733
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	231	195	189	136	288	237	135	176	205	280	184		2256	2503
POLYESTER[e]	309.0140	667	434	470	472	533	501	403	720	440	353	375		5368	3087
OTHER	309.0170	1060	996	908	1335	894	706	422	1132	1123	1263	1580		11419	9215
STRIPS	309.2220 & .2270	427	339	346	316	296	646	335	168	290	573	236		3972	4153
SUBTOTAL ABOVE		**22328**	**19490**	**20288**	**26392**	**28608**	**33105**	**30813**	**31781**	**29679**	**27071**	**28235**		**297790**	**216410**
STAPLE - NYLON	309.4240	1180	471	783	1269	491	992	795	1322	969	1191	916		10379	13673
- POLYESTER	309.4242	23227	9880	18988	16125	22416	18365	17503	15824	11994	8141	6773		169236	151956
- ACRYLIC	309.4245	21821	12541	11117	11634	10587	5923	17806	13538	11970	12154	8433		137524	146138
- OLEFIN	309.4246	1039	261	620	442	750	791	137	576	972	447	458		6493	3859
- OTHER	309.4247	755	875	890	775	1217	944	821	1162	550	1282	815		10086	7958
GROUPED FILAMENTS															
NYLON	309.3220	211	95	51	142	24	390	142	295	114	122	169		1755	2900
POLYESTER[d]	309.3240	3251	1302	2292	2519	3107	2775	3484	3062	2209	1760	1793		27554	21670
ACRYLIC	309.3250 & .3255	3372	2291	1957	2543	3648	1600	2974	2563	2293	2471	2148		27860	31266
SUBTOTAL ABOVE		**54856**	**27716**	**36698**	**35449**	**42240**	**31780**	**43662**	**38342**	**31071**	**27568**	**21505**		**390887**	**379420**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	303	196	237	297	345	159	200	743	1393	582	472		4927	10644
- POLYESTER	309.7630	4721	2235	3165	1606	3530	4091	4135	4105	3611	3923	5886		41008	51760
- ACRYLIC	309.7640	419	214	716	111	176	391	298	810	169	854	305		4463	4301
- OTHER	309.7660	1405	342	873	803	1012	1380	1907	2020	1852	1804	2241		15639	14129
SUBTOTAL ABOVE		**6848**	**2987**	**4991**	**2817**	**5063**	**6021**	**6540**	**7678**	**7025**	**7163**	**8904**		**66037**	**80834**
TOTAL MAN-MADE FIBER ABOVE		**87852**	**52615**	**66654**	**70603**	**78965**	**76682**	**83641**	**84106**	**70333**	**66225**	**62478**		**800154**	**738586**
TEXTILE GLASS FIBER	309.2700 & .9700	7000	3868	7463	5183	5044	5110	4786	4232	4100	1279	4094		52159	53025
GRAND TOTAL ABOVE		**94852**	**56483**	**74117**	**75786**	**84009**	**81792**	**88427**	**88338**	**74433**	**67504**	**66572**		**852313**	**791611**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 14:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

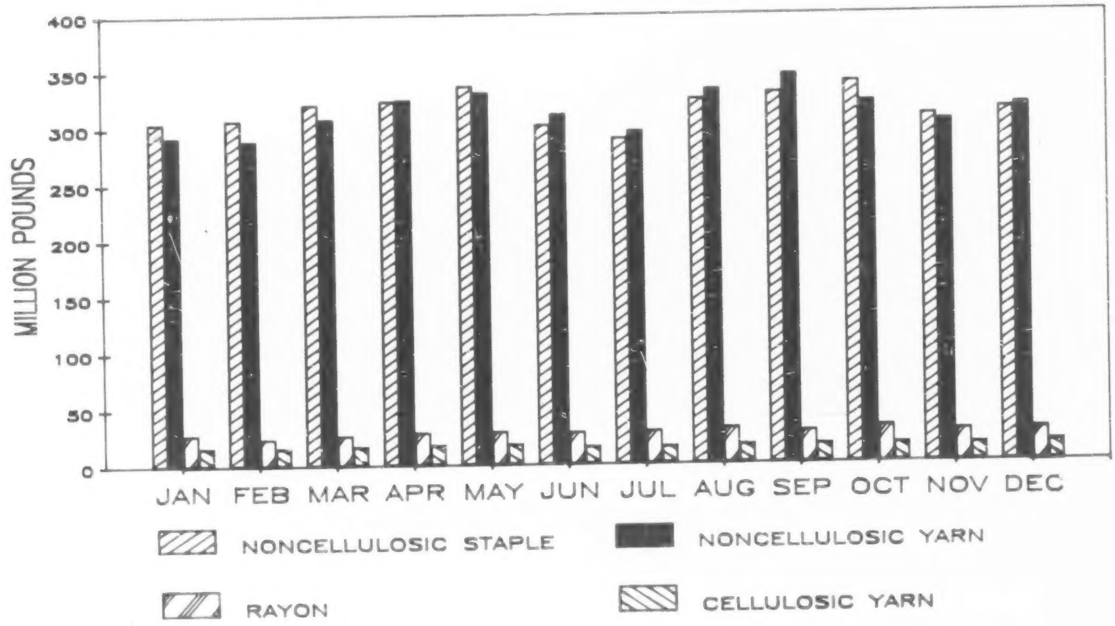
MILLION POUNDS

ITEM	1985												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN[k]	**17.3**	**16.7**	**17.7**	**18.6**	**19.0**	**16.4**	**16.2**	**17.5**	**17.5**	**17.6**	**16.8**	**18.8**	**210.1**	**198.3**
NYLON[e] - INDUSTRIAL[f]	32.1	31.0	33.1	27.6	28.7	24.0	26.3	28.4	31.4	25.6	25.8	31.1	345.1	375.1
- LOW DENIER INDUSTRIAL[g]	2.6	2.5	2.4	2.5	2.3	1.9	2.0	2.4	2.5	2.5	2.5	2.4	28.5	34.0
- CARPET	57.1	51.9	59.5	69.2	72.7	69.9	69.9	79.4	80.0	76.7	66.6	82.5	835.4	794.9
- TEXTILE	30.5	27.0	27.5	27.8	27.9	23.5	23.7	27.1	29.1	27.9	26.6	28.3	326.9	353.4
POLYESTER - INDUSTRIAL[f]	26.4	24.5	25.3	26.4	25.4	21.6	21.4	23.6	23.8	25.1	24.1	24.5	292.1	313.1
- LOW DENIER INDUSTRIAL[g]	1.6	1.6	1.4	2.0	2.0	2.0	1.7	2.0	2.4	2.2	1.9	2.1	22.9	24.8
- TEXTILE	69.5	75.6	81.9	89.6	89.3	83.9	80.4	86.7	96.2	87.0	80.4	77.0	997.5	860.2
OLEFIN[h]	73.5	75.8	77.9	80.7	83.5	85.6	71.8	84.4	81.4	75.4	77.2	71.0	938.2	742.1
TOTAL NONCELLULOSIC ABOVE[i]	**293.3**	**289.9**	**309.0**	**325.8**	**331.8**	**312.4**	**297.2**	**334.0**	**346.8**	**322.4**	**305.1**	**318.9**	**3786.6**	**3497.6**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.0**	**25.0**	**27.7**	**30.0**	**30.5**	**29.6**	**30.4**	**32.8**	**29.7**	**33.6**	**29.7**	**30.7**	**358.7**	**384.0**
NYLON[e]	70.5	60.6	65.0	67.9	71.2	66.7	68.2	74.2	73.7	75.6	68.0	82.0	843.6	831.3
ACRYLIC+MODACRYLIC	51.5	55.0	57.8	54.9	56.7	50.5	52.5	55.3	57.5	58.7	48.5	44.9	643.8	666.2
POLYESTER	162.4	169.5	175.4	177.4	183.8	162.2	149.4	168.5	173.6	180.8	167.7	167.9	2038.6	2192.4
OLEFIN+VINYON	21.4	23.1	23.7	24.5	26.0	23.4	20.5	27.5	26.0	24.9	25.9	20.5	287.4	246.7
TOTAL NONCELLULOSIC ABOVE	**305.8**	**308.2**	**321.9**	**324.7**	**337.7**	**302.8**	**290.6**	**325.5**	**330.8**	**340.0**	**310.1**	**315.3**	**3813.4**	**3936.6**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN[k]	**18.2**	**18.2**	**18.9**	**19.2**	**19.2**	**19.4**	**19.9**	**17.9**	**16.6**	**15.2**	**13.4**	**12.3**	**12.3**	**12.4**
NYLON[e] - INDUSTRIAL[f]	28.8	30.6	29.4	32.0	27.5	29.9	32.3	29.7	29.5	28.6	27.2	25.5	25.5	27.4
- LOW DENIER INDUSTRIAL[g]	6.2	6.2	6.1	6.1	5.8	5.6	6.0	6.4	6.3	6.0	5.7	5.4	5.4	5.9
- CARPET	68.0	69.5	71.1	58.2	51.9	52.9	55.5	49.5	45.2	41.9	45.5	46.4	46.4	63.0
- TEXTILE	43.1	45.0	47.7	47.5	46.6	48.2	45.7	39.4	40.1	36.9	37.3	42.4	42.4	44.4
POLYESTER - INDUSTRIAL[f]	24.3	23.2	23.9	24.3	26.2	29.2	28.9	27.8	28.5	25.0	21.4	24.2	24.2	22.1
- LOW DENIER INDUSTRIAL[g]	2.8	2.7	2.8	2.9	3.8	2.8	3.6	2.7	2.7	2.9	3.0	2.8	2.8	2.8
- TEXTILE	79.7	81.6	81.2	80.6	71.2	74.5	80.3	84.2	83.0	84.8	81.1	80.9	80.9	74.6
OLEFIN[h]	62.0	64.3	65.9	64.7	63.3	67.2	63.8	62.2	64.1	61.5	62.3	63.3	63.3	61.5
TOTAL NONCELLULOSIC ABOVE[i]	**314.9**	**323.1**	**328.1**	**316.3**	**296.3**	**310.3**	**316.1**	**301.9**	**299.4**	**287.6**	**283.5**	**290.9**	**290.9**	**301.7**
STAPLE+TOW+FIBERFILL														
RAYON	**30.3**	**31.3**	**32.4**	**31.1**	**29.5**	**28.1**	**27.5**	**24.3**	**22.4**	**19.8**	**21.5**	**22.5**	**22.5**	**28.5**
NYLON[e]	69.7	72.4	74.1	71.1	70.2	69.1	71.0	66.9	68.6	69.4	68.9	62.7	62.7	78.6
ACRYLIC+MODACRYLIC	76.6	75.0	76.1	77.2	75.7	72.5	71.6	66.0	59.3	54.4	53.6	64.4	64.4	77.4
POLYESTER	191.8	192.6	186.9	187.6	187.7	175.7	178.5	156.1	153.1	138.7	140.4	155.0	155.0	173.5
OLEFIN+VINYON	26.1	25.1	24.1	25.5	24.3	22.9	23.9	24.5	24.0	26.6	26.4	29.7	29.7	23.2
TOTAL NONCELLULOSIC ABOVE	**364.2**	**365.1**	**361.2**	**361.4**	**357.9**	**340.2**	**345.0**	**313.5**	**305.0**	**289.1**	**289.3**	**311.8**	**311.8**	**352.7**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	9.6	9.3	13.0	10.9	10.0	11.1	8.7	8.8	11.2	10.3			102.9	132.2
CARPET CLASS WOOL	1.2	1.1	1.7	1.1	0.9	0.7	0.8	1.0	1.1	1.1			10.7	8.7
TOTAL RAW WOOL	10.8	10.4	14.7	12.0	10.9	11.8	9.5	9.8	12.3	11.4			113.6	140.9
RAW COTTON	176.2	193.8	283.2	225.0	204.1	252.1	211.6	218.9	298.7	272.5	202.4		2538.5	2493.0

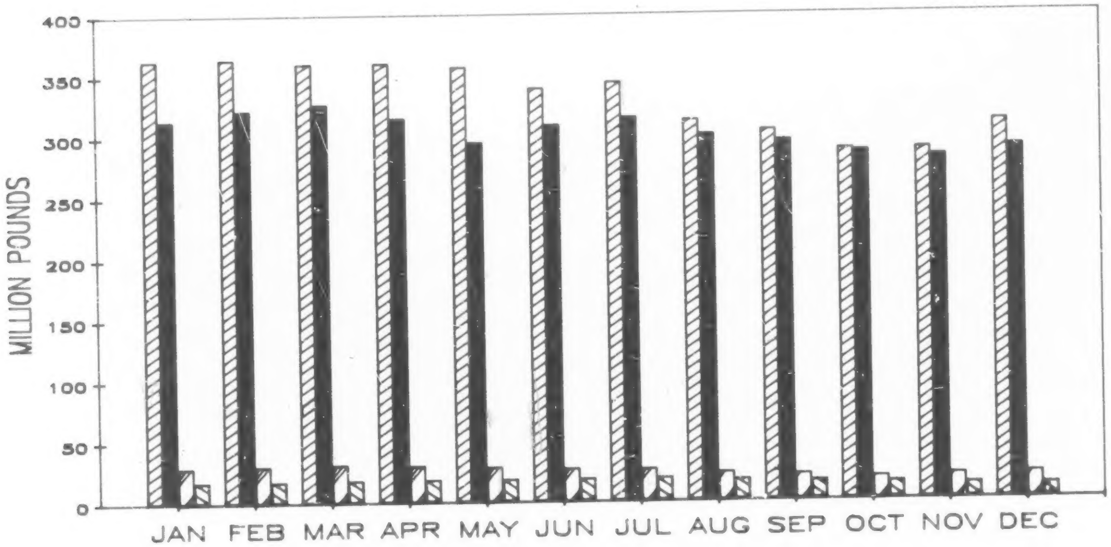
- **a.** Year-to-date totals except for stock, which is the latest month's data.
- **b.** The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
- **c.** Producers' total domestic plus export shipments.
- **d.** Rayon yarn data are available annually only; see page 43 of the March 1985 issue.
- **e.** Data for nylon exclude aramid.
- **f.** Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
- **g.** Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.
- **h.** Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
- **i.** Saran and spandex data are not included in these totals. See page 43 of the March 1985 issue for annual data on these yarns.
- **j.** Acetate staple+tow data are available annually only; see page 43 of the March 1985 issue.
- **k.** Year-to-Date total for 1984; acetate yarn only.

GRAPH 8:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

1985 TOTAL SHIPMENTS



1985 END-OF-MONTH STOCK



C9850-1

Textile Organon

Volume 57, No. 2 □ February 1986
A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

U.S. Exports of Man-Made Fiber Rise to 867.6 Million Pounds in 1985 ... see page 30.

U.S. Imports of Man-Made Fiber Rise to 331.4 Million Pounds in 1985 ... see page 31.

1985 Production of Noncellulosic Yarn+Monofilaments Totals 3775.7 Million Pounds ... see page 38.

1985 Production of Noncellulosic Staple+Tow Totals 3773.3 Million Pounds ... see page 39.

Textile Organon *Feature:*
1985 Import/Export Review ... begins on page 24.

In January, shipments of polyester industrial yarn rose to the highest level since October 1984, while shipments of other key products fell in January-

- ***Nylon industrial yarn*** shipments fell by 15.8%.
- ***Nylon carpet yarn*** shipments dropped by almost 16%.
- ***Nylon staple+tow*** shipments declined by 14%.

But other key products did well-

- ***Rayon staple*** shipments rose to the highest level since October 1984.
- ***Acrylic+Modacrylic staple+tow*** shipments rose to the highest level since last October.
- ***Polyester staple+tow*** shipments increased to the highest level in four months.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & ***PERCENT***

ITEM	1986 JAN	1985 DEC	%[a]	1985 JAN	%[b]	YEAR TO DATE 1986	YEAR TO DATE 1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**17.8**	**18.8**	*-5.3*	**17.3**	*+2.9*	**17.8**	**17.3**	*+2.9*
NYLON[d] - INDUSTRIAL	26.2	31.1	*-15.8*	32.1	*-18.4*	26.2	32.1	*-18.4*
- CARPET	69.4	82.5	*-15.9*	57.1	*+21.5*	69.4	57.1	*+21.5*
- TEXTILE[e]	30.7	30.7	--	33.1	*-7.3*	30.7	33.1	*-7.3*
POLYESTER - INDUSTRIAL	28.2	24.5	*+15.1*	26.4	*+6.8*	28.2	26.4	*+6.8*
- LOW DENIER INDUSTRIAL	1.9	2.1	*-9.5*	1.6	*+18.8*	1.9	1.6	*+18.8*
- TEXTILE	75.6	77.0	*-1.8*	69.5	*+8.8*	75.6	69.5	*+8.8*
OLEFIN	75.0	71.0	*+5.6*	73.5	*+2.0*	75.0	73.5	*+2.0*
TOTAL NONCELLULOSIC ABOVE	**307.0**	**318.9**	*-3.7*	**293.3**	*+4.7*	**307.0**	**293.3**	*+4.7*
STAPLE+TOW+FIBERFILL								
RAYON	**35.0**	**30.7**	*+14.0*	**29.0**	*+20.7*	**35.0**	**29.0**	*+20.7*
NYLON[d]	70.5	82.0	*-14.0*	70.5	--	70.5	70.5	--
ACRYLIC+MODACRYLIC	49.1	44.9	*+9.4*	51.5	*-4.7*	49.1	51.5	*-4.7*
POLYESTER	179.0	167.9	*+6.6*	162.4	*+10.2*	179.0	162.4	*+10.2*
OLEFIN+VINYON	25.2	20.5	*+22.9*	21.4	*+17.8*	25.2	21.4	*+17.8*
TOTAL NONCELLULOSIC ABOVE	**323.8**	**315.3**	*+2.7*	**305.8**	*+5.9*	**323.8**	**305.8**	*+5.9*

-- Means no change.
[a] Percent change from previous month to current month.
[b] Percent change to current month from same month last year.
[c] Percent change from cumulative total last year to cumulative total this year.
[d] Nylon excludes Aramid.
[e] Low denier industrial Nylon is included with Textile.
Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

FEBRUARY 1986

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

Copyright ©1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

Item	U.S.A.	Other
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

CONTENTS

Features

1985 Import/Export Review **24-31**
- U.S. Imports of Selected Man-Made Fiber Manufacturers 24
- Graph 1: U.S. Imports of Broadwoven Fabrics 25
- Graph 2: U.S. Imports of Man-Made Fiber & Yarn 25
- Selected U.S. Man-Made Fiber & Manufactures Imports For Consumption by Country of Origin 26
- Selected U.S. Man-Made Fiber Imports by Country of Origin 27
- Selected U.S. Exports by Country of Destination 28-29
- U.S. Exports of Man-Made Fibers 30
- U.S. Imports of Man-Made Fibers 31

Industry Regulars

- Total Man-Made Fiber Shipments 21

Datagram **23**

Trade Barometer **32-40**
- Graph 3: Imports vs. Exports of Man-Made Fiber 32
- Graph 4: Man-Made Fiber Monthly Trade Balance 33
- Man-Made Fiber Monthly Trade Balance Detail 33

Monthly U.S. Man-Made Fiber Data **34-36**
- Exports By Fiber 34
- Imports For Consumption 35
- Imports By Country of Origin 36

Quarterly Man-Made Fiber Data **38-39**
- Production, Shipments & Stock
  - Yarn+Monofilaments, Textile Glass 38
  - Staple+Tow 39

Selected U.S. Monthly Textile Fiber Data **37,40**
- Selected U.S. Monthly Textile Fiber Data Detail 37
- Graph 5: Selected U.S. Monthly Textile Fiber Data 40

1985 U.S. FIBER PRODUCTION RECORDS A MODEST GROWTH

Production for noncellulosic yarn and staple+tow recorded a modest gain of 1%. Noncellulosic yarn production fell over 4% in 1985, while noncellulosic staple+tow production increased just over 7%.

Although Polyester and Olefin yarn production grew significantly in 1985, the production of Nylon yarn declined--

- ***Olefin*** *yarn production rose almost 26%, as demand for carpet face yarns and backing grew substantially; and*
- ***Polyester*** *yarn production increased by 10.1%, as the home furnishings market grew at an accelerated rate; but*
- ***Nylon*** *yarn production fell 4%, as the demand for tire cord and fabric fell off sharply.*

Polyester, Nylon and Acrylic+Modacrylic staple+tow production fell during the year, while production for Olefin+Vinyon staple+tow rose in 1985--

- ***Olefin+Vinyon*** *staple+tow production rose by nearly 18%, as the carpets & rugs and nonwoven markets improved significantly; and*
- ***Polyester*** *staple+tow production fell just over 7% as a result of declining demand in the export and domestic markets; while*
- ***Nylon*** *staple+tow production was down by almost 1%; and*
- ***Acrylic+Modacrylic*** *staple+tow production recorded a modest decline despite an improved demand in the domestic markets, which was offset in the falling demand in the export markets.*

SELECTED U.S. MAN-MADE FIBER IMPORTS SURGE

In 1985, imports of selected man-made fibers for consumption continued to accelerate. The most significant surge could be recorded in:

- ***Polyester*** *yarns, where imports totaled 33.4 million pounds, up 26% from the 1984 import level of 26.5 million pounds.*

The leading importing countries are:

- *South Africa; imports rose by over 268%.*
- *West Germany; imports doubled to 100%.*
- ***Acrylic+Modacrylic*** *staple+tow imports experienced a 22.8% increase.*

The major importing countries are:

- *Japan; imports increased by over 53%.*
- *Italy; imports advanced by 24.3%.*
- ***Nylon*** *staple+tow imports rose almost 11% in 1985.*

The major importing countries are:

- *Israel; imports rose by over 522%.*
- *Canada; imports are up almost 272%.*
- *South Africa; imports grew by 182%.*

1985 IMPORT/EXPORT REVIEW

IMPORTS

Between 1984 and 1985, U.S. imports of man-made fibers rose to 331.4 million pounds, up almost 11% over the 299.2 million pounds imported in 1984. This increase represented a gain of $20.0 million since 1984.

Major increases in 1985 over 1984 are noted in the following categories:

- ***Cellulosic Fibers*** rose by 39.5%.
- ***Noncellulosic Staple*** increased by 21.6%.
- ***Noncellulosic Fibers*** grew over 16%.

EXPORTS

In 1985, U.S. exports of man-made fibers increased by 4.8% to 867.6 million pounds, up 39.5 million pounds from the 828.1 million pounds exported in 1984.

These increased exports represented a gain of $23.4 million since 1984.

- ***Noncellulosic Fiber*** exports rose by 34.4%.
- ***Cellulosic Fibers*** moved ahead by 20.3%.
- ***Cellulosic Staple*** exports fell by 32.4%.
- ***Noncellulosic Staple*** exports dropped by a marginal 3.0%.

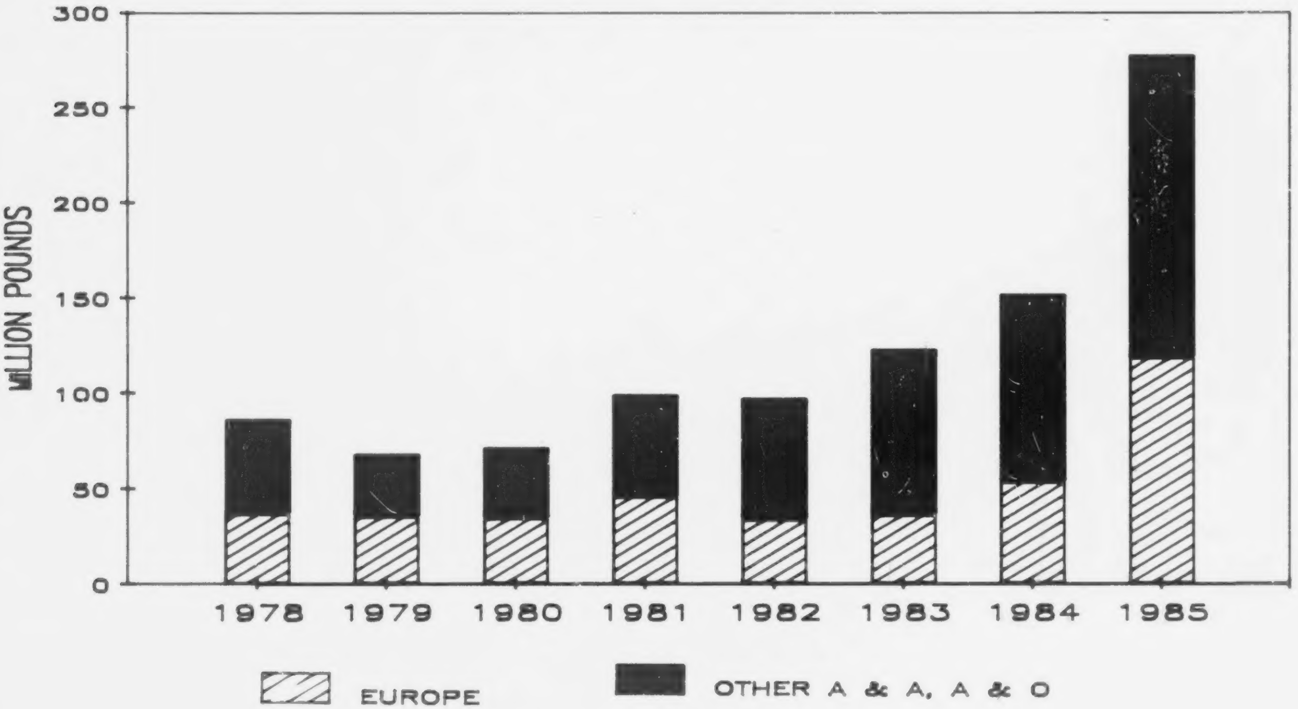
TABLE 2: U.S. IMPORTS OF SELECTED MAN-MADE FIBER MANUFACTURES

ITEM	COMMODITY NUMBER AS OF 1/1/82	THOUSAND POUNDS					THOUSAND DOLLARS				
		1981	1982	1983	1984	1985	1981	1982	1983	1984	1985
KNIT FABRIC IN THE PIECE											
RAYON & ACETATE	345.5011 - .5077 INCLUSIVE	318	448	225	124	76	1660	2311	1168	567	285
ACRYLIC		127	146	145	115	116	725	1122	638	468	498
NYLON		346	440	407	527	388	2208	3123	2317	3712	2871
POLYESTER		1066	849	1053	1693	1123	5171	4256	6903	9516	5085
OTHER MAN-MADE FIBER		242	354	314	500	530	1399	2089	1772	3173	2749
TOTAL KNIT FABRICS		**2099**	**2237**	**2144**	**2959**	**2233**	**11163**	**12901**	**12798**	**17436**	**11488**
BROAD WOVEN FABRICS											
MAN-MADE FIBER FABRICS CONTAINING MORE THAN 17% WOOL											
RAYON OR ACETATE	338.1000 - .1580	28	9	26	32	21	184	73	127	231	69
NYLON		88	168	120	183	67	785	1366	1052	1083	229
POLYESTER		22170	19799	23446	32325	78483	91704	82658	92431	130948	123564
OTHER MAN-MADE FIBER		16554	10266	7785	7386	21244	54231	31407	21927	23285	28604
OTHER WOVEN FABRICS IN THE PIECE EXCEPT PILE FABRICS											
ACETATE		113	250	464	398	137	1517	1349	1809	1365	128
RAYON - 100% FILAMENT YARN - OTHER MAINLY 100% YARN		1332	1060	1590	2090	2266	9102	6454	8005	11017	2304
RAYON &/OR ACETATE	338.2500 - .5069a INCLUSIVE	3753	2744	4623	5486	10800	31162	17287	26078	31451	14962
RAYON OR ACETATE & COTTON			273	352	172	253		1646	1632	2079	326
ACRYLIC		297	295	191	338	389	1634	1806	1168	1700	739
NYLON		501	990	2522	2517	7734	4450	5893	10212	12947	128
POLYESTER		45870	41250	50238	48059	75510	318203	286794	317131	309983	72024
POLYESTER & RAYON			395	661	1347	7749		1140	1153	2651	2787
POLYESTER & COTTON			10689	16138	27505	33895		41396	48415	71970	17863
TEXTILE GLASS FIBER		1807	2251	4915	5104	19406	4610	4935	12065	16142	17153
OTHER MAN-MADE FIBER		5542	4249	6260	14312	15510	35423	27616	29655	66048	19227
OTHER MAN-MADE FIBER & COTTON			545	633	1563	1315		3710	3473	7497	1825
VELVETS	346.6010 - .6065	757	579	1244	1663	1150	3515	2273	3931	4755	2470
OTHER PILE FABRICS		671	1031	1155	1569	1147	4335	5995	5826	7139	3968
TIRE FABRIC	357.8060	273	1069	1253	460	903	514	1520	1660	766	1496
TOTAL BROAD WOVEN FABRICS		**99756**	**97912**	**123616**	**152509**	**277979**	**561369**	**525318**	**587750**	**703057**	**309866**

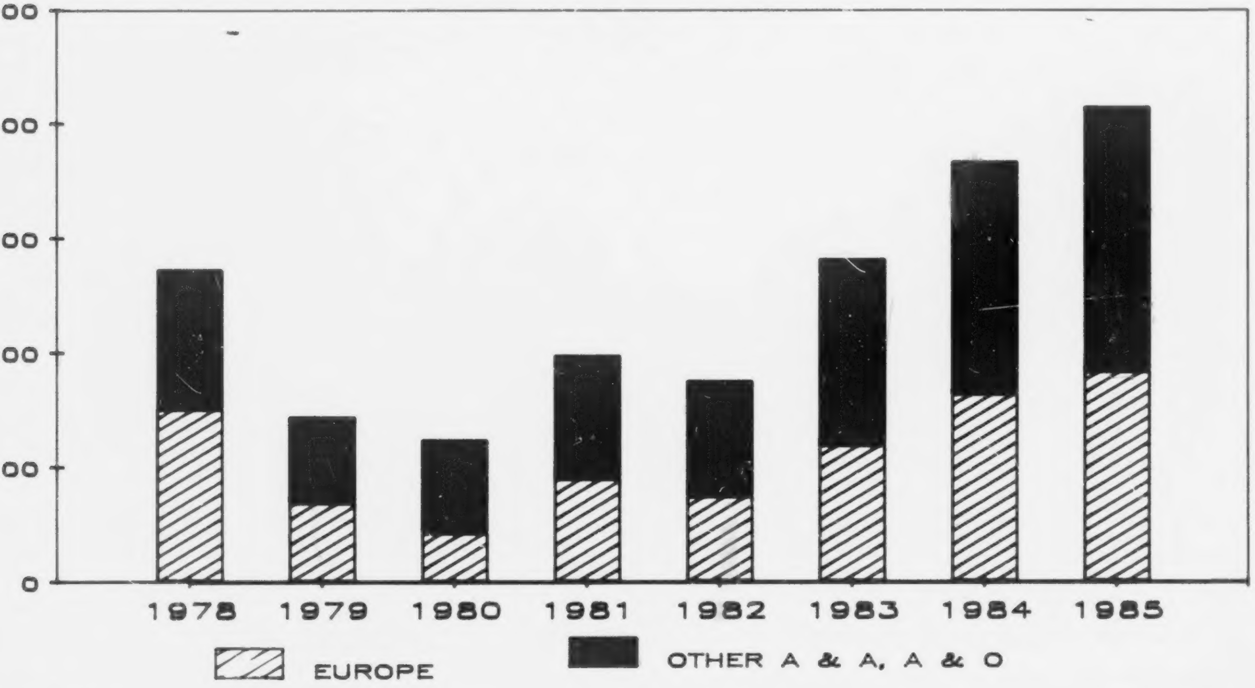
Source: U.S. Census Bureau IM146.

a. As of 1978, the commodity numbers for Other Woven Fabrics in the Piece Except Pile Fabrics ran from 338.2500 to 338.3098. In both 1981 and 1982 those commodity numbers, with the exception of those for textile glass (338.2500 & .2700), were revised, leaving both 1981 and 1982 data not comparable with those for earlier years.

GRAPH 1:
U.S. IMPORTS OF BROADWOVEN FABRIC
MILLION POUNDS



GRAPH 2:
IMPORTS OF MAN-MADE FIBER & YARN
MILLION POUNDS



SELECTED U.S. MAN-MADE FIBER & MANUFACTURES IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

TABLE 3:
IMPORTS OF MAN-MADE BROAD WOVEN FABRICS

COUNTRY	1981	1982	1983	1984	1985
AUSTRIA	190	112	192	434	429
BELGIUM	558	605	1127	1538	1794
FRANCE	1631	2202	2287	3353	10949
GERMANY, FED REP OF	2264	1518	1960	3188	7584
HUNGARY	28	19	23	170	754
IRELAND	2591	253	211	91	238
ITALY	36656	27524	29127	41923	91755
NETHERLANDS	103	115	90	126	249
POLAND	235	256	85	164	179
PORTUGAL	46	18	13	218	159
ROMANIA	25	45	59	182	430
SPAIN	385	293	250	289	387
SWEDEN	376	159	121	173	286
SWITZERLAND	650	477	479	770	1610
UNITED KINGDOM	321	438	379	874	977
YUGOSLAVIA	408	343	390	517	1209
OTHER EUROPE	41	19	17	105	216
TOTAL EUROPE ABOVE	**46508**	**34396**	**36810**	**54115**	**119205**
CHINA, P.R.O.	1309	2408	3184	7234	4556
HONG KONG	102	106	1303	171	181
INDIA	117	70	38	353	528
JAPAN	32588	34626	42396	38447	69619
KOREA, REPUBLIC OF	11591	17184	23486	27669	31695
MALAYSIA	541	350	799	1398	2679
SINGAPORE	348	110	19	42	30
TAIWAN	1641	3135	9370	10265	26317
THAILAND	1471	2018	1706	2522	4479
BRAZIL	1373	1188	1514	1531	3750
CANADA	2099	2156	2859	3469	4640
ALL OTHER	68	165	132	5293	10300
TOTAL EXCLUDING EUROPE	**53248**	**63516**	**86806**	**98394**	**158774**
GRAND TOTAL	**99756**	**97912**	**123616**	**152509**	**277979**

TABLE 4:
IMPORTS OF MAN-MADE KNIT FABRIC IN THE PIECE

COUNTRY	1981	1982	1983	1984	1985
FRANCE	145	244	159	303	221
GERMANY, FED. REP.	299	356	318	369	225
IRELAND	--	47	2	3	25
ITALY	138	337	279	539	614
SWEDEN	78	28	16	5	9
UNITED KINGDOM	73	132	58	183	97
OTHER EUROPE	51	49	63	118	74
TOTAL EUROPE ABOVE	**784**	**1193**	**895**	**1520**	**1265**
HONG KONG	1	3	26	31	25
JAPAN	950	899	1039	1114	702
KOREA, REPUBLIC OF	--	1	18	6	21
TAIWAN	36	31	79	177	159
CANADA	191	89	46	65	41
COSTA RICA	77	0	--	--	--
MEXICO	57	11	30	27	11
ALL OTHER	3	10	11	19	9
TOTAL EXCLUDING EUROPE	**1315**	**1044**	**1249**	**1439**	**968**
GRAND TOTAL	**2099**	**2237**	**2144**	**2959**	**2233**

TABLE 5:
IMPORTS OF MAN-MADE FIBERS

COUNTRY	1981	1982	1983	1984	1985
AUSTRIA	4951	4975	3661	3410	3424
BELGIUM	2633	2464	1899	2965	9170
DENMARK	234	522	1065	529	262
FINLAND	119	190	142	233	548
FRANCE	9526	10974	12778	11524	17161
GERMAN DEM. REP	0	103	3	0	24
GERMANY, FED REP OF	33850	25751	34307	62715	59653
GREECE	379	0	+	3	168
IRELAND	430	549	86	102	709
ITALY	11694	9735	18476	28047	36037
MALTA	0	0	0	0	0
NETHERLANDS	8058	2885	7609	5396	6852
POLAND	414	36	0	19	0
PORTUGAL	161	204	56	306	780
ROMANIA	2174	2801	4669	5946	4482
SPAIN	764	875	2531	2540	659
SWEDEN	2724	4626	3639	4733	2197
SWITZERLAND	479	944	2192	1728	3466
UNITED KINGDOM	12392	7874	26728	31335	34779
OTHER EUROPE	22	87	513	3282	4272
TOTAL EUROPE ABOVE	**91004**	**75595**	**120354**	**164813**	**184643**
AUSTRALIA	1628	2408	1965	1055	2872
BANGLADESH	0	174	0	0	0
CHINA, P.R.O.	708	1768	1744	3019	3930
EGYPT	333	0	0	41	20
HONG KONG	172	359	334	174	105
INDONESIA	505	386	1007	1166	873
IRAN	0	0	0	0	51
ISRAEL	1071	1025	2014	2913	5203
JAPAN	31453	31467	51231	55923	66309
KOREA, REPUBLIC OF	830	874	5081	1614	6420
MALAYSIA	818	1138	1600	1401	1160
NEW ZEALAND	169	17	0	13	0
PHILIPPINES	2431	1477	2183	858	1419
SINGAPORE	1221	1386	1422	1238	1493
SOUTH AFRICA	1410	1691	2930	5090	14873
TAIWAN	9556	11542	10281	14615	20538
THAILAND	342	675	1022	1077	1157
ARGENTINA	41	329	298	429	695
BRAZIL	41	775	2222	5839	4346
CANADA	35120	24300	35599	59076	66646
COSTA RICA	106	225	1210	3225	3705
MEXICO	19443	18603	40107	43986	19281
PERU	0	0	0	20	8820
VENEZUELA	40	0	74	82	0
ALL OTHER	112	203	96	214	1213
TOTAL OTHER ABOVE	**107550**	**100822**	**162420**	**203068**	**231129**
TOTAL ABOVE	**198554**	**176417**	**282774**	**367881**	**415772**
PRODUCTS NOT DETAILED	10536	8010	8952	24377	20136
GRAND TOTAL	**209090**	**184427**	**291726**	**392258**	**435908**

NOTE: The three section totals on this page agree with the corresponding data on pages 24 and 31 of this issue.

The by country data in the "Imports of Man-Made Fiber" table above include singles, monofilaments and strips (see page 36 of this issue and the corresponding pages of earlier February *Organon* issues), plied filament yarn, staple, grouped filaments, waste, spun yarns and textile glass fiber. The "products not detailed" in the above table comprise other yarns - NES, handwork yarns and sewing thread and sliver, tops and roving.

TABLE 6:
SELECTED U.S. MAN-MADE FIBER IMPORTS BY COUNTRY OF ORIGIN

THOUSAND POUNDS

COUNTRY	A. NONCELLULOSIC YARN - SINGLES						B. NONCELLULOSIC STAPLE+TOW								C. SPUN YARNS				D. WASTE				E. TEXTILE GLASS	
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		CELL.		NONCELL.		CELL.		NONCELL.			
	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985
ARGENTINA	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	428	653	0	0
BRAZIL	1	86	7	0	0	0	803	3	+	0	0	0	661	3250	0	0	1598	0	0	0	2298	110	0	6
CANADA	7470	5520	1991	1155	7239	9899	3016	11218	8619	5059	5	24	2499	8088	3	0	2290	711	23	0	13556	13491	503	2087
COSTA RICA	0	0	540	933	0	0	0	0	2403	2636	0	0	0	0	0	0	0	0	0	0	326	128	0	0
MEXICO	8101	3498	5869	4921	54	135	4265	987	10320	4080	3014	3525	0	0	+	0	3556	1539	0	0	7662	7249	0	0
OTHER AMERICAS	0	0	0	0	0	84^{e}	0	0	75	0	0	0	0	0	0	0	245	505^{n}	0	0	141	0	0	0
TOTAL AMERICAS	**15572**	**9143**	**8407**	**7009**	**7293**	**10118**	**8084**	**12208**	**21417**	**11775**	**3019**	**3549**	**3160**	**11338**	**3**	**0**	**7690**	**2755**	**23**	**0**	**24411**	**21631**	**503**	**2093**
AUSTRIA	37	22	1	23	364	695	0	0	0	0	0	0	71	337	601	1303	451	328	0	0	0	1	0	0
BELGIUM/LUX.	687	5141	4	2	85	2413	323	381	57	0	14	32	45	70	0	6	144	515	0	0	868	267	216	220
DENMARK	60	34	0	0	1	0	25	+	22	0	0	0	49	99	0	0	+	0	0	0	346	0	0	0
FINLAND	0	0	0	+	0	+	63	0	0	0	0	0	17	244	0	0	117	121	0	0	28	20	1	0
FRANCE	3253	4227	11	6	31	36	4491	9175	122	200	1	1	56	339	0	12	983	1216	2	+	1185	1174	463	142
GERMANY, FED. REP. OF	9055	3805	4813	9630	864	1635	23388	21134	377	280	6304	5397	551	2962	809	124	2314	2718	0	0	6115	4054	326	197
GREECE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	167	0	0	0	0	0	0
IRELAND	0	13	0	13	58	184	+	22	0	0	0	0	45	301	0	0	+	0	0	0	0	0	0	0
ITALY	8237	13057	227	104	872	376	10569	13066	106	175	1435	1783	1645	1579	1	1	4072	5600	0	1	124	1	300	111
NETHERLANDS	184	276	344	393	19	228	603	333	2	7	0	2	38	60	0	0	+	64	0	0	2057	1262	6	1055
POLAND	0	0	0	0	0	0	0	0	0	0	13	0	6	0	0	0	0	0	0	0	0	0	0	0
PORTUGAL	0	0	0	0	0	2	0	0	40	0	0	0	0	+	0	0	245	767	0	0	0	0	0	0
ROMANIA	586	131	38	0	0	0	571	427	1518	510	0	29	0	40	0	0	2804	3260	0	0	496	0	0	0
SPAIN	83	7	286	1	26	6	0	0	+	0	0	6	36	+	0	0	2045	535	0	0	50	0	0	0
SWITZERLAND	353	2420	37	138	15	3	274	285	0	46	2	0	89	71	0	0	14	39	0	0	809	452	0	0
UNITED KINGDOM	4076	5721	491	122	295	525	11321	8539	169	247	1484	1803	2483	2969	0	0	347	811	506	315	2508	1593	2927	2921
OTHER EUROPE	2	3357^{a}	+	1^{c}	164	167^{f}	314	132^{g}	1	11^{h}	0	24^{j}	35	59^{l}	0	0	1993	674^{o}	0	0	1416	190^{q}	67	+^{s}
TOTAL EUROPE	**26613**	**38211**	**6252**	**10433**	**2794**	**6270**	**51942**	**53494**	**2414**	**1476**	**9253**	**9077**	**5166**	**9130**	**1411**	**1446**	**15529**	**16815**	**508**	**316**	**16002**	**9014**	**4306**	**4646**
AUSTRALIA	16	0	0	0	65	+	88	187	0	0	0	0	10	60	0	0	0	1	0	0	780	895	0	0
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHINA, PEOPLE'S REP. OF	0	0	+	0	0	+	0	0	0	0	0	0	0	0	0	0	1	+	0	0	3018	3904	0	0
EGYPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0
HONG KONG	0	0	+	0	7	2	+	4	0	44	0	0	2	0	0	0	164	38	0	0	0	0	+	0
INDONESIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1166	873	0	0	0	0	0	0
ISRAEL	1432	2098	346	325	0	153	184	1145	1	55	1	2	0	28	0	0	151	939	0	96	751	512	0	0
JAPAN	3894	816	8355	4272	1072	687	481	291	3976	7380	8154	12488	1625	2919	310	293	5117	5551	0	0	1443	2376	18262	26918
KOREA, REP. OF	113	16	3	24	72	0	0	1	404	4542	22	0	34	0	0	0	550	568	0	0	2562	512	1	35
MALAYSIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1401	1160	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0	13	0	0	0
PHILIPPINES	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	627	660	0	0	231	758	0	0
SINGAPORE	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	1331	1398	0	0	24	0	0	0
SOUTH AFRICA	21	186	3058	11270	78	8	210	592	296	0	0	0	0	32	0	0	760	1658	0	66	1188	1038	0	0
TAIWAN	405	153	86	41	+	5	379	135	1487	6463	20	0	9290	10940	0	0	427	515	0	0	81	6	0	997
THAILAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	640	821	0	0	0	0	0	0
OTHER A, A & O	94	81^{b}	0	+^{d}	0	0	0	0	0	48^{i}	0	13^{k}	0	42^{m}	0	0	29	502^{p}	0	0	0	25^{r}	10	0
TOTAL A, A & O	**5975**	**3350**	**11848**	**15932**	**1294**	**855**	**1368**	**2355**	**6164**	**18532**	**8197**	**12504**	**10961**	**14021**	**310**	**293**	**12364**	**14684**	**0**	**162**	**10132**	**10026**	**18273**	**27950**
GRAND TOTAL	**48160**	**50704**	**26507**	**33374**	**11381**	**17243**	**61394**	**68057**	**29995**	**31783**	**20469**	**25130**	**19287**	**34489**	**1724**	**1739**	**35583**	**34254**	**531**	**478**	**50545**	**40671**	**23082**	**34689**

SOURCE: U.S. Census Bureau IM146.

A. Nylon 310.0109, .0149, .0209 & 0249; Polyester 310.0110, .0150, .0210 & .0250; Other 310.0114, .0170, .0214, .0270, .0530, .0550, .0630 & .0650.

B. Nylon 309.3030, .3130, .3200 & .4338; Polyester 309.3040, .3140, .3340 & .4342; Acrylic 309.3050, .3150, .3350 & .4345; Other 309.3065, .3165, .3365, .4346 & .4355.

C. Cellulosic 310.4005, .4030, .5005 & .5030; Noncellulosic 310.4015, .4027, .4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

D. Cellulosic 309.6615 & .7510; Noncellulosic 309.6000, .6625, .6630, .6645, .6660, .7000, .7525, .7530, .7540 & .7555.

E. 309.2800, .2900, .9800 & .9900.

a. German Dem. Rep. 14, Turkey 16, Yugoslavia 3327.
b. Iran 31, Morocco 50.
c. Sweden 1.
d. Lebanon +.
e. Chile 84.
f. Hungary 23, Norway 144.
g. Bulgaria 61, Ireland 25, Yugoslavia 46.
h. Sweden 6, Turkey 5.
i. India 21, Kiribati 27.
j. Turkey 5, Yugoslavia 19.
k. Jordan 13.
l. Sweden 18, Yugoslavia 41.
m. Gabon 42.
n. Chile +, Columbia 177, El Salvador 1, Peru, 175, Uruguay 152.
o. Sweden +, Turkey 582, Yugoslavia 92.
p. India 324, Mali 8, Mauritania 170.
q. Iceland 60, Sweden 130.
r. India 25.
s. Sweden +.

TABLE 7:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1984	**1985**	**1984**	**1985**	**1984**	**1985**	**1984**	**1985**	**1984**	**1985**	**1984**	**1985**	**1984**	**1985**	**1984**	**1985**	**1984**	**1985**	**1984**	**1985**
CANADA	1446	3172	2576	5074	19232	15849	35646	29788	5783	8422	15111	19081	364	243	465	293	63903	58372	56002	48774
COSTA RICA	32	46	45	75	2813	2932	3917	3526	547	266	318	203	74	84	50	314	5203	4141	4539	3062
DOMINICAN REP.	5	10	7	18	1275	2037	1185	1168	68	122	72	165	0	64	0	51	466	476	308	275
EL SALVADOR	7	14	12	24	3444	3759	5149	4519	437	622	1184	1221	35	0	42	0	6639	5087	5332	3539
GUATEMALA	0	132	0	176	2328	2428	2592	2442	239	259	299	322	44	0	34	0	3181	2710	2318	1814
HAITI	0	0	0	0	465	323	630	356	710	784	948	1146	0	0	0	0	36	1	31	4
HONDURAS	34	0	53	0	478	238	930	226	137	480	257	494	0	2	1	5	2162	923	1352	617
JAMAICA	1	0	5	0	218	227	483	423	7	13	33	37	44	0	35	0	34	54	176	269
LEEWARD & WINDWARD IS.	0	2	0	2	65	0	36	0	1	2	2	17	10	0	12	0	7	0	5	0
MEXICO	22	46	67	140	485	817	1177	2065	1845	1663	4906	4718	9441	15171	5206	9578	2010	4097	2377	4602
NICARAGUA	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	0	0	0	0	0
PANAMA	0	0	0	0	31	209	83	368	101	99	451	303	0	0	0	0	50	35	106	101
TRINIDAD	0	0	0	0	69	2	286	12	16	5	49	22	1	1	1	1	3	44	20	58
OTHER	2	0	6	0	26	+	81	3	19	3	33	5	+	1	1	7	48	4	141	7
NORTH AMERICA	**1549**	**3422**	**2771**	**5509**	**30929**	**28821**	**52195**	**44896**	**9911**	**12740**	**23672**	**27734**	**10013**	**15566**	**5847**	**10249**	**83742**	**75944**	**72707**	**63122**
ARGENTINA	92	158	158	333	3596	372	3637	416	1088	37	1705	161	707	112	471	78	13272	529	7884	383
BOLIVIA	0	0	0	0	72	25	307	29	1	9	14	14	0	0	0	0	172	374	178	313
BRAZIL	+	0	1	0	1752	1454	3225	2628	1152	1420	2449	3664	15	48	15	65	171	637	666	1159
CHILE	10	0	21	0	281	160	557	241	65	43	365	234	2041	828	1745	614	9250	6278	6884	4138
COLOMBIA	11	0	18	0	2436	1285	3352	1629	603	354	4069	2756	4921	2003	3073	1332	15187	9377	10582	6455
ECUADOR	266	491	453	756	563	2042	542	1856	46	316	179	439	264	275	159	178	7177	11651	5126	8488
PARAGUAY	0	0	0	0	2	0	4	0	0	0	0	10	0	14	0	37	0	0	0	0
PERU	2	3	4	7	127	118	183	85	130	306	286	534	1	81	631	61	1369	514	873	345
URUGUAY	0	15	0	13	170	154	489	372	7	1	38	13	844	0	3	0	756	292	589	201
VENEZUELA	9	60	44	125	1866	1853	3471	3131	309	601	1268	1194	19548	15259	15438	12149	2822	2478	3661	2050
OTHER	0	0	0	0	0	25	0	58	0	3	0	6	0	0	0	0	+	0	2	3
SOUTH AMERICA	**390**	**727**	**699**	**1234**	**10865**	**7488**	**15767**	**10445**	**3401**	**3090**	**10373**	**9025**	**28341**	**18620**	**21535**	**14514**	**50176**	**32130**	**36445**	**23535**
BELGIUM/LUX.	2308	3025	1044	2902	13737	8603	30043	20659	10909	10759	15940	14267	812	481	627	366	14455	8991	26469	21449
DENMARK	0	0	0	0	87	53	94	66	20	88	25	71	15	6	18	8	1737	2135	1530	1894
FRANCE	1	0	3	0	2384	2326	10894	10373	136	389	927	507	251	262	387	479	579	621	867	1027
GERMANY, FED. REP. OF	258	208	412	172	1337	2978	3457	6258	763	3079	1570	4186	211	167	399	259	1587	3182	2156	3224
GREECE	0	1	0	7	16	0	23	0	27	17	151	91	0	36	0	19	459	109	399	164
IRELAND	0	0	0	0	1728	1907	3074	2096	80	230	135	435	113	5	20	13	396	292	657	495
ITALY	0	1	0	2	938	647	518	843	5070	6499	1690	2111	353	737	96	160	972	5359	733	3485
NETHERLANDS	0	0	0	0	976	834	1189	733	116	279	428	528	50	14	46	18	3750	4632	4340	4568
UNITED KINGDOM	1	160	3	206	4545	4853	7114	6755	4760	4721	6176	6318	266	698	492	624	2551	3110	3905	4588
AUSTRIA	0	0	0	0	20	4	71	25	90	67	246	319	19	4	25	6	16	12	16	12
CZECHOSLOVAKIA	0	0	0	0	0	0	0	0	203	212	645	629	0	0	0	0	0	0	0	0
FINLAND	0	0	0	0	19	14	76	68	478	249	467	315	36	3	12	3	418	251	279	170
GERMAN DEM. REP.	0	0	0	0	19	0	54	0	0	98	0	119	0	0	0	0	242	0	197	0
HUNGARY	+	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0	0	0	1	0	8	0	0	0	0	0	164	175	156	177
NORWAY	0	0	0	0	6	41	12	51	2	0	3	0	60	49	89	68	111	188	105	198
POLAND	36	73	138	133	202	166	118	188	2334	3833	2215	3662	0	0	0	0	11441	9401	7350	6573
PORTUGAL	0	0	0	0	1066	589	1234	583	6	97	25	151	0	0	0	0	1	64	5	63
SPAIN	0	0	0	0	0	433	8	591	2336	1533	3098	1974	60	40	19	23	1563	2888	1064	1769
SWEDEN	0	0	0	0	341	179	475	509	2072	1079	1327	1019	31	31	43	52	417	693	865	732
SWITZERLAND	0	0	0	0	18	791	90	623	83	26	198	126	13	14	24	15	50	31	201	142
TURKEY	0	0	0	0	561	925	640	1037	29301	29374	23921	27578	0	0	0	0	97	984	125	606
USSR	0	0	0	0	0	0	0	0	0	1928	0	1928	11217	0	6563	0	0	9	0	5
YUGOSLAVIA	0	506	0	454	0	1	0	14	212	1684	175	1762	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	+	0	1	0
EUROPE	**2664**	**3974**	**1601**	**3876**	**28000**	**25344**	**59184**	**51472**	**58999**	**66241**	**59370**	**68096**	**13507**	**2547**	**8860**	**2113**	**41006**	**43127**	**51420**	**51341**

See footnotes below.

TABLE 8:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(Continued)*

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984	1985
AUSTRALIA	1424	1660	3008	2629	5136	4670	10857	9422	1591	1683	3327	3133	178	240	285	395	4812	3169	7250	4252
BANGLADESH	0	0	0	0	45	75	20	34	0	0	0	0	0	0	0	0	0	0	0	0
CHINA, PEOPLE'S REP. OF	1	0	1	0	35699	110359	37184	108605	860	13930	1240	10687	0	42	0	45	127798	159054	79305	94996
HONG KONG	41	1	52	4	520	2687	941	2515	177	4516	613	3480	2	5	7	45	8115	6838	5189	4190
INDIA	46	0	53	0	126	241	304	388	2389	2624	2308	2970	7	240	3	154	1476	4601	99	3652
INDONESIA	0	0	0	0	305	59	911	135	170	2031	206	2527	15	0	19	0	630	453	1520	312
IRAQ	0	0	0	0	6	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	2	11	7	27	2787	4026	2531	4342	5869	3627	4896	3754	6	23	9	23	2040	1915	1360	1579
JAPAN	1	23	3	44	2101	2435	6025	8008	9061	10116	11762	12724	187	233	249	268	3251	2920	6391	8503
JORDAN	0	0	0	0	227	236	199	211	0	0	3	0	0	0	0	0	0	0	0	0
KOREA, REP. OF	407	361	486	431	349	597	704	1455	479	742	952	1067	1	1	9	2	4430	12431	3065	9072
LEBANON	0	0	0	0	25	0	17	0	7	2	16	10	0	0	0	0	1	0	1	0
MALAYSIA	0	0	0	0	0	0	0	0	1	0	6	0	7	0	13	0	575	28	884	44
NEW ZEALAND	5	9	16	15	1319	949	2865	1509	557	459	1178	855	7	51	17	59	385	343	1044	638
PAKISTAN	0	0	0	0	84	139	50	95	75	30	17	20	0	0	0	0	0	12	0	5
PHILIPPINES	28	2	67	7	268	134	904	237	575	787	3640	6704	2908	10	1759	12	3496	3779	4162	5093
QATAR	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	0	0	0	0
SAUDI ARABIA	0	16	0	47	47	8	66	29	5	37	13	91	4	5	5	6	43	42	91	190
SINGAPORE	0	0	0	0	13	5	50	20	5	123	20	169	5	0	7	0	203	127	301	301
SYRIA	0	0	0	0	151	320	140	240	582	0	150	0	0	0	0	0	0	797	0	637
TAIWAN	1702	7	966	13	11343	3446	11514	3673	2481	2147	2859	2455	71	162	109	145	60495	46387	40968	33332
THAILAND	63	196	87	254	4	3	12	17	2	281	9	380	0	0	0	0	1084	717	823	445
UNIT. ARAB EMIRATES	0	0	0	0	+	0	2	0	1	0	8	0	0	0	0	0	37	0	164	2
OTHER	0	3	0	4	2	+	3	2	0	2	0	13	1	3	1	5	165	14	213	68
ASIA & OCEANIA	**3720**	**2289**	**4746**	**3475**	**60557**	**130389**	**75318**	**140937**	**24887**	**43137**	**33223**	**51039**	**3399**	**1017**	**2492**	**1163**	**219036**	**243627**	**152830**	**167311**
ALGERIA	0	0	0	0	5657	2178	6015	2125	3	2	7	7	0	0	0	0	0	0	0	0
CAMEROON	0	0	0	0	127	8	246	11	0	0	0	0	0	0	0	0	287	0	229	0
EGYPT	0	0	0	0	4056	2910	5050	3101	55	76	127	130	444	0	235	0	8555	9905	5523	6420
KENYA	0	0	0	0	0	0	0	0	4	0	15	0	2	0	3	0	0	306	0	192
MOROCCO	71	0	77	0	69	110	15	67	21	307	18	187	0	0	0	0	383	461	292	309
MOZAMBIQUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NIGERIA	0	0	0	0	1174	866	2402	1491	50	1	166	2	0	0	0	0	631	0	455	0
SOUTH AFRICA	439	218	645	285	2349	621	3458	874	651	127	1411	347	99	74	90	42	22793	9481	22099	6236
SUDAN	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	108	12	66	19
TANZANIA	0	0	0	0	361	995	544	1476	8	0	17	0	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	0	110	27	373	30	0	0	0	0	0	0	0	0	90	3	61	1
ZAMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	46	0	104	0	42	85	58	84	167	0	63	0	2757	1515	2329	953
OTHER	0	0	0	0	118	239	156	234	+	1	2	3	0	0	0	0	0	1	0	3
AFRICA	**510**	**218**	**722**	**285**	**14067**	**7954**	**18363**	**9409**	**838**	**599**	**1825**	**760**	**712**	**74**	**391**	**42**	**35604**	**21684**	**31054**	**14133**
GRAND TOTAL	**8833**	**10629**	**10539**	**14379**	**144418**	**199996**	**220827**	**257159**	**98036**	**125807**	**128463**	**156654**	**55972**	**37824**	**39125**	**28081**	**429564**	**416512**	**344456**	**319442**

The commodity numbers are:
A. 309.0110, .2210, 310.0006 & .0026.
B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & .0044.
C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032.
D. 309.4219 & .4222.
E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

TABLE 9:
U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1981	1982	1983	1984	1985	1981	1982	1983	1984	1985
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310 0006	357	402	239	129	101	594	655	502	337	298
OTHER[b]	310 0026	23914	21618	15496	8614	10412	27329	24490	16908	10051	13859
MONOFILAMENTS	309 0110	90	15	43	12	79	212	90	135	66	178
STRIPS	309 2210	346	105	40	79	37	273	96	56	85	44
SUBTOTAL ABOVE		**24707**	**22140**	**15818**	**8834**	**10629**	**28408**	**25331**	**17601**	**10539**	**14379**
STAPLE+TOW - RAYON	309 4222	55156	63371	40118	53882	35975	39032	41063	27427	37688	25546
STAPLE - ACETATE	309 4219	7004	3642	3093	2090	1849	4323	3277	2677	2337	2535
SUBTOTAL ABOVE		**62160**	**67013**	**43211**	**55972**	**37824**	**43355**	**44340**	**30104**	**40025**	**28081**
WASTE, ADVANCED & NOT ADVANCED	**309.7400**	**2799**	**3193**	**1383**	**1832**	**1207**	**1358**	**1397**	**527**	**1082**	**801**
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	310 0008 & 0009	69600	[illegible]	40008	32268	26894	107096	62179	58366	50916	39982
- HIGH TENACITY[c]	310 0027	57400	48396	55606	66732	69386	72569	57259	65096	62515	72294
- OTHER	310 0029	19424	11789	15580	13155	9357	37980	23987	33591	28217	19373
POLYESTER - TEXTURED	310 0010	236152	182935	64040	79753	135997	286022	227816	80399	93889	140792
- HIGH TENACITY[c]	310 0032	23440	13752	12237	9156	32137	31474	17846	15553	11064	29618
- OTHER[d]	310 0034	11759	10179	3713	5968	8934	13226	10221	6518	8371	9270
OTHER - TEXTURED	310 0014	11751	15652	12631	7673	10495	15085	19147	16139	12040	14470
- OLEFIN	310 0040	2603	1124	806	340	555	3312	1643	1259	485	766
- OTHER	310 0044	5231	3891	3610	5261	7766	21738	19335	20983	26909	32505
MONOFILAMENTS, ALL DENIERS											
NYLON	309 0120	7786	4424	2350	2848	2364	20698	14193	10009	10435	9221
POLYESTER[e]	309 0140	7163	4242	2925	3794	5759	11903	8662	7292	10141	14128
OTHER	309 0170	6560	8185	9930	11047	11955	23244	28295	19101	22912	17491
STRIPS	309 2220 & 2270	4555	2366	3242	4460	4204	6635	4642	5402	11398	13903
SUBTOTAL ABOVE		**463424**	**346364**	**226678**	**242455**	**325803**	**650982**	**495225**	**339708**	**349292**	**413813**
STAPLE - NYLON	309 4240	27556	15374	13518	14904	11100	33825	19751	17857	21685	13854
- POLYESTER	309 4242	522681	189584	101255	178903	176697	361110	134073	68307	116843	112222
- ACRYLIC	309 4245	156661	126617	114385	162285	150729	114359	91350	78572	114377	100146
- OLEFIN	309 4246	1758	7616	3698	4368	6974	1491	3663	2746	4088	5754
- OTHER	309 4247	18033	15410	11974	8555	10695	31381	29336	28331	30566	35401
GROUPED FILAMENTS											
NYLON	309 3220	4561	4966	3425	3048	1948	9625	11281	8766	8947	4635
- POLYESTER[e]	309 3240	26777	28133	28890	23693	29155	28444	28075	25808	20749	23335
ACRYLIC	309 3250 & 3255	32655	23322	34621	33807	29214	25940	19341	28101	27202	24095
SUBTOTAL ABOVE		**790682**	**411022**	**311766**	**429563**	**416512**	**606175**	**336870**	**253488**	**344457**	**319442**
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309 7620	13938	11806	11841	12465	5601	8903	7648	6093	6494	3048
POLYESTER	309 7630	54117	50903	40473	57371	46404	20814	21091	16090	22417	17722
ACRYLIC	309 7640	4795	1713	2025	4620	4804	1552	610	773	1365	1286
OTHER	309 7660	34415	21654	16942	15203	18836	13433	10206	6583	6385	6818
SUBTOTAL ABOVE		**107265**	**86076**	**71281**	**89659**	**75645**	**44702**	**39555**	**29539**	**36661**	**28874**
TOTAL MAN-MADE FIBER ABOVE		**1451037**	**935808**	**670117**	**828115**	**867620**	**1374980**	**942718**	**675967**	**782036**	**805390**
TEXTILE GLASS FIBER	309 2700 & 9700	38934	43714	39413	58101	58328	41642	39861	29553	56385	57787
GRAND TOTAL ABOVE		**1489971**	**979522**	**709530**	**886216**	**925948**	**1416622**	**982579**	**705520**	**838421**	**863177**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and tire cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 10:
U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1981	1982	1983	1984	1985	1981	1982	1983	1984	1985
CELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED	310 0106 & 0206	309	561	256	1571	190	505	857	290	940	267
OTHER	310 0130 & 0230[a]	10373	6437	7843	8245	12951	15748	10381	12365	12924	19129
MONOFILAMENTS	309 0310 & 0610	4	2	24	5	19	32	10	36	20	44
STRIPS, $1/LB & UNDER	309 2000*	33	27	570	160	763	28	15	396	88	624
SUBTOTAL ABOVE		**10719**	**7027**	**8693**	**9981**	**13923**	**16313**	**11263**	**13087**	**13972**	**20064**
STAPLE	309 4320 & 4325	14626	11939	12752	15388	11286	10348	8383	8434	10320	6844
GROUPED FILAMENTS	309 3010 & 3110	2137	1469	836	1605	1022	2211	2342	1312	2619	1471
SUBTOTAL ABOVE		**16763**	**13408**	**13588**	**16993**	**12308**	**12559**	**10725**	**9746**	**12939**	**8315**
WASTE, ADVANCED & NOT ADVANCED	**309.6500 & .7510[b]**	**519**	**395**	**277**	**530**	**479**	**291**	**170**	**164**	**323**	**283**
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON	310 0109 & 0209	3827	4744	5123	17966	32352	7103	8157	8610	26141	35244
- POLYESTER	310 0110 & 0210	768	510	2182	10806	16642	939	563	2403	10513	14653
- OTHER	310 0114 & 0214	492	4340	7659	8939	14723	895	5580	8986	10536	15732
OTHER - NYLON	310 0149 & 0249	3976	5533	14745	30192	18350	6147	7941	17994	39222	23747
- POLYESTER	310 0150 & 0250	5441	5263	13629	15698	16728	7082	7584	17705	21121	20624
- OTHER	310 0170 & 0270[c]	1595	1639	2739	2468	2520	3151	4854	6730	4139	4203
MONOFILAMENTS	309 0200 & 0330[d]	2615	1497	1737	2857	2059	6515	5053	4721	8817	5537
STRIPS, OVER $1/LB	309 2100 & 2500*	220	306	553	1066	1187	1547	2069	3952	5844	5886
SUBTOTAL ABOVE		**18934**	**23832**	**48367**	**89992**	**104561**	**33379**	**41801**	**71101**	**126333**	**125626**
STAPLE - NYLON	309 4338	23576	11503	27648	38281	38544	25067	10488	23588	36579	34292
- POLYESTER	309 4342	6649	7257	21502	22890	26800	4289	4791	11912	13272	15841
- ACRYLIC	309 4345	10465	7851	13644	13541	17611	10179	6777	12052	12568	16396
- OLEFIN	309 4346	1134	627	1195	2213	5732	638	638	911	1630	3879
- OTHER	309 4355	10666	10853	9078	15412	25516	7798	6744	7010	11326	21283
GROUPED FILAMENTS - NYLON	309 3030 & 3130[l]	2175	7620	19085	23129	29514	2625	11385	27142	33524	40769
- POLYESTER	309 3040 & 3140[m]	336	56	2035	7104	4980	541	160	2268	6569	4715
- ACRYLIC	309 3050 & 3150[n]	3434	4438	6642	6929	7518	7181	8313	13631	15116	16548
- OTHER	309 3065 & 3165[o]	2082	882	663	1660	3231	2965	1247	742	2371	4313
SUBTOTAL ABOVE		**60517**	**51087**	**101492**	**131159**	**159446**	**61283**	**50543**	**99256**	**132955**	**158036**
WASTE, NOT ADVANCED											
NYLON	309 6625	25255	22190	26745	31205	27162	8358	8275	11494	13876	10793
POLYESTER	309 6630	18111	11187	13004	8042	7149	3640	1944	2503	1325	1143
ACRYLIC	309 6645	2872	932	304	39	283	999	274	76	8	48
OTHER	309 6660	2969	2530	2724	4074	2072	844	689	1000	2027	607
NOILS & GARNETTED FIBERS	309 6000 & 7000*	85	55	232	458	155	54	34	82	254	101
OTHER WASTE, ADVANCED	309 7525 - 7555	536	851	3080	6729	3852	366	471	1219	1912	890
SUBTOTAL ABOVE		**49828**	**37745**	**46089**	**50547**	**40673**	**14261**	**11687**	**16374**	**19402**	**13582**
TOTAL MAN-MADE FIBER ABOVE		**157280**	**133494**	**218506**	**299202**	**331390**	**138086**	**126189**	**209728**	**305924**	**325886**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310 1106	25	2	1	1	1	41	10	4	7	7
- NONCELLULOSIC	310 1015[e] & 1109[f]	3385	5315	8110	12223	9270	5774	7806	11709	17370	9955
OTHER -CELLULOSIC	310 1030 & 1135[g]	21	146	93	173	390	108	240	351	723	937
- NONCELLULOSIC	310 1050 & 1070[h]	373	979	2054	2763	4032	763	1789	3594	4447	6795
SPUN YARN - CELLULOSIC	310 4005 & 4030[i]	659	325	1091	1724	1739	1522	756	1975	2224	2100
- OTHER	310 4015 & 4027[j]	18599	22056	31487	35583	34260	32603	40264	51623	58127	54897
OTHER YARNS - NES, INCL. CHENILLE	310 6029 - 8000	4117	3107	2955	7517	8912	12852	9649	10969	16210	15640
HANDWORK YARNS & SEWING THREAD	310 9000 - 9140[p]	2797	2277	2654	5445	9283	10681	9170	11898	18111	28952
SLIVER, TOPS & ROVING	309 9000	3622	2626	4755	4544	1941	2801	2977	5193	4792	2334
TEXTILE GLASS FIBER	309 2800 & 2900[k]	18212	14100	20020	23083	34690	12914	10114	13878	19203	27850
GRAND TOTAL ABOVE		**209090**	**184427**	**291726**	**392258**	**435908**	**218145**	**208964**	**320922**	**447138**	**475353**

SOURCE: U.S.Census Bureau Report IM146.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 309.6615.

c. Also includes 310.0530, .0550, .0630 & .0650.

d. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

e. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

f. Also includes 310.1110 & .1114.

g. Also includes 310.2010 & .2110.

h. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

i. Also includes 310.5005 & .5030.

j. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

k. Chiefly roving. Also includes 309.9800 & .9900.

l. Also includes 309.3200.

m. Also includes 309.3340.

n. Also includes 309.3350.

o. Also includes 309.3365.

p. Also includes 310.9300 & .9500.

MAN-MADE FIBER TRADE BALANCE IMPROVES

The U.S. man-made fiber balance of trade rose significantly in December as the net-export balance of trade increased to 41.1 million pounds, up 20.5% from the 34.1 million pound export balance in November. Declining imports and rising exports of man-made fiber resulted in the increase of the trade balance. Imports of fiber totaled 23.1 million pounds, down 18.7% from the 28.4 million pounds imported in November. Exports of fiber in December amounted to 64.2 million pounds, up 2.7% from the 62.5 million pounds exported in November. The December trade balance is almost 39% below that of December 1984. This month's exports are 28.3% below the level of last December, while imports are up slightly by 2.2% during the same period.

DECEMBER DETAIL

The net-export balance in December in **Noncellulosic Yarn+Monofilaments** improved slightly by 1% to 20.5 million pounds. In December, the balance of trade for **Noncellulosic Staple** rose significantly by 165.5%, as imports dropped by almost 31% and exports rose by nearly 20%.

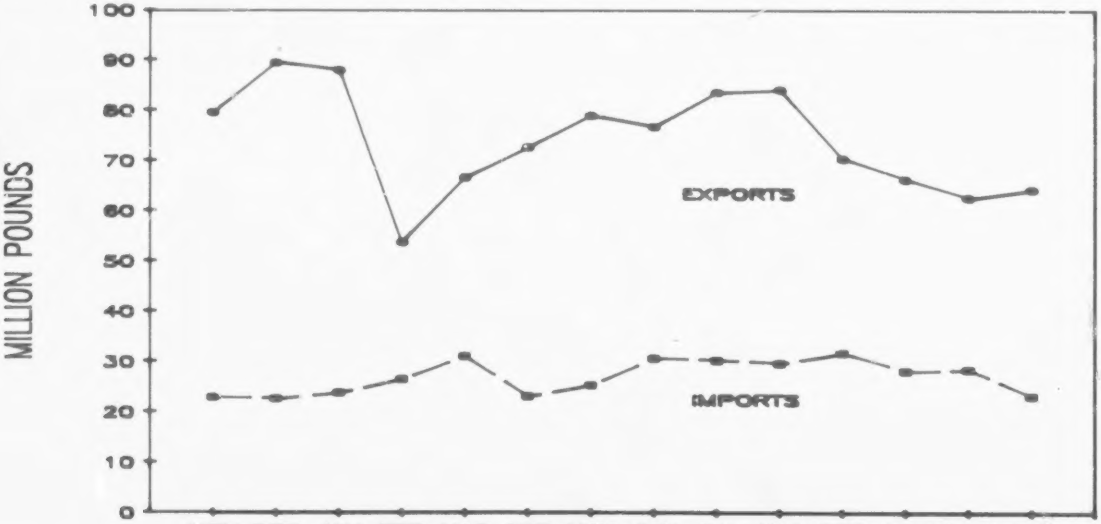
The balance of trade for **Cellulosic Staple+Tow** declined by 41.2% in December to 1.0 million pounds.

The **Cellulosic Yarn+Monofilaments** balance of trade jumped by 200% in December, as imports fell 9.7% and exports decreased by 24.6%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ORGANON.

GRAPH 3:
IMPORTS VS EXPORTS OF MAN-MADE FIBER



GRAPH 4:
MAN—MADE FIBER MONTHLY TRADE BALANCE

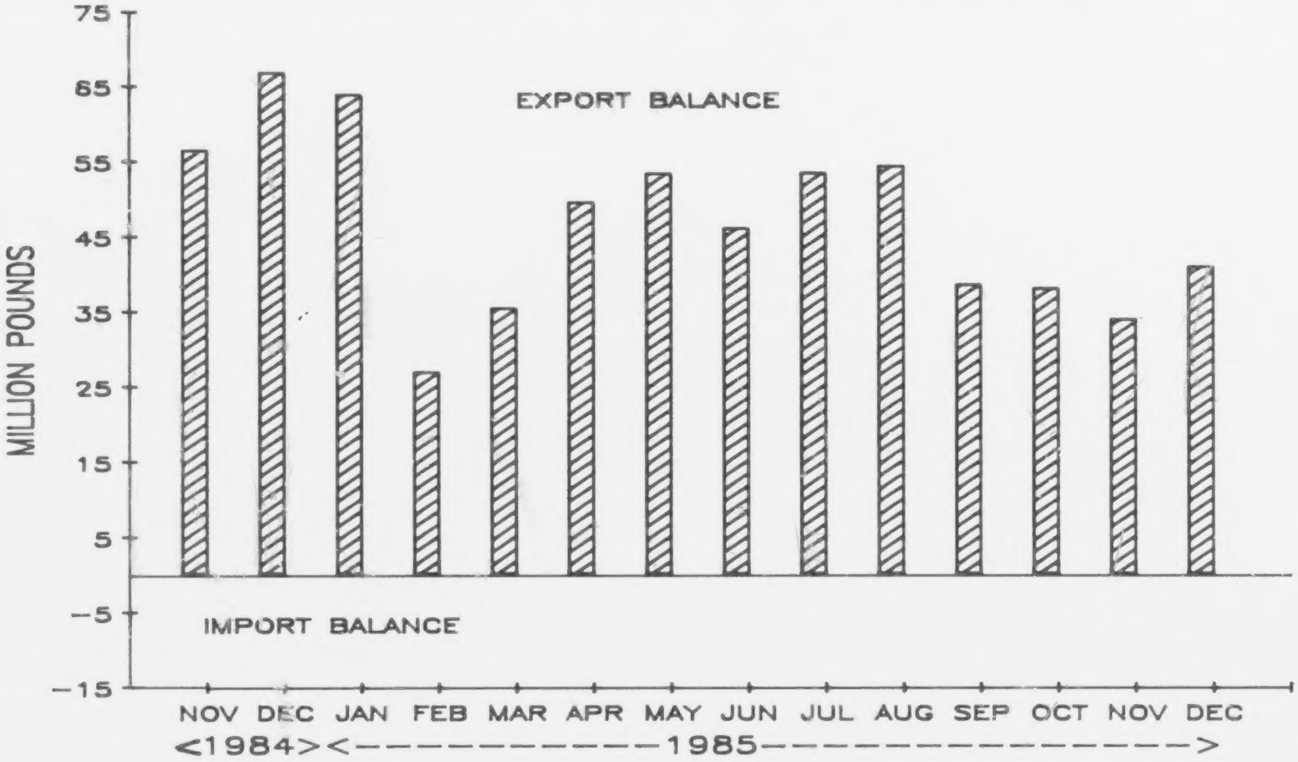


TABLE 11:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1984		1985											
	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
CELLULOSIC YARN+MONOFILAMENTS	0.1 I	1.2 I	0.3 I	0.4 E	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I
CELLULOSIC STAPLE+TOW	1.1 E	3.1 E	1.7 E	0.8 E	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E
NONCELLULOSIC YARN+MONOFILAMENTS	14.7 E	19.6 E	14.5 E	12.2 E	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E
NONCELLULOSIC STAPLE+TOW	38.7 E	40.4 E	45.0 E	16.6 E	23.4 E	24.8 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E
CELLULOSIC WASTE	0.2 E	0.1 E	+	+	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E	+	+	+
NONCELLULOSIC WASTE	2.1 E	5.0 E	3.2 E	2.9 I	0.7 I	2.2 E	2.1 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E
TOTAL	56.7 E	67.0 E	64.1 E	27.1 E	35.6 E	49.7 E	53.5 E	46.2 E	53.6 E	54.5 E	38.7 E	38.2 E	34.1 E	41.1 E

I means net-import balance.
E means net-export balance.

TABLE 12:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR-TO-DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	4	30	4	2	7	2	15	+	5	21	11	101	129
OTHER[b]	310.0026	811	1175	971	735	697	816	841	873	535	771	1244	943	10412	8614
MONOFILAMENTS	309.0110	0	0	0	60	4	0	0	9	0	6	0	+	79	12
STRIPS	309.2210	0	7	0	0	0	0	0	0	30	0	0	0	37	79
SUBTOTAL ABOVE		**811**	**1186**	**1001**	**799**	**703**	**823**	**843**	**897**	**565**	**782**	**1265**	**954**	**10629**	**8834**
STAPLE+TOW-RAYON	309.4222	2925	2042	3375	4870	2144	4517	1486	5258	1713	3434	2368	1843	35975	53882
STAPLE-ACETATE	309.4219	112	133	140	133	70	295	203	101	166	138	148	210	1849	2090
SUBTOTAL ABOVE		**3037**	**2175**	**3515**	**5003**	**2214**	**4812**	**1689**	**5359**	**1879**	**3572**	**2516**	**2053**	**37824**	**55972**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**72**	**119**	**161**	**113**	**137**	**141**	**94**	**48**	**114**	**69**	**53**	**86**	**1207**	**1632**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	2478	2450	2480	2073	1961	1467	2065	3201	2640	2472	1764	1843	26894	32268
- HIGH TENACITY[c]	310.0027	4921	6044	6255	5527	7101	4516	4898	5777	7480	5838	6412	4617	69386	66732
- OTHER	310.0029	883	1002	954	824	610	600	584	657	842	870	731	800	9357	13155
POLYESTER-TEXTURED	310.0010	7465	5968	5803	13481	10315	16481	15935	13323	9756	10519	13058	13893	135997	79753
- HIGH TENACITY[c]	310.0032	865	795	641	946	4285	4748	3641	4365	4330	3308	1675	2538	32137	9156
- OTHER	310.0034[d]	2458	102	422	295	1114	759	382	781	822	622	524	653	8934	5968
OTHER - TEXTURED	310.0014	264	588	1152	258	509	636	1154	1024	1365	658	1068	1819	10495	7673
- OLEFIN	309.0040	52	5	61	18	47	67	49	63	28	38	53	74	555	340
- OTHER	310.0044	557	572	607	711	655	1741	810	394	358	277	575	509	7766	5261
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	231	195	189	136	288	237	135	176	205	280	184	108	2364	2848
POLYESTER[e]	309.0140	667	434	470	472	533	501	403	720	440	353	375	391	5759	3794
OTHER	309.0170	1060	996	908	1335	894	706	422	1132	1123	1263	1580	536	11955	11047
STRIPS	309.2220 & .2270	427	339	346	316	296	646	335	168	290	573	236	232	4204	4460
SUBTOTAL ABOVE		**22328**	**19490**	**20288**	**26392**	**28608**	**33105**	**30813**	**31781**	**29679**	**27071**	**28235**	**28013**	**325803**	**242455**
STAPLE - NYLON	309.4240	1180	471	783	1179	490	992	795	1322	969	1191	916	812	11100	14904
- POLYESTER	309.4242	23227	9880	18988	16125	22416	18365	17503	15824	11994	8141	6773	7461	176697	178903
- ACRYLIC	309.4245	21821	12541	11117	11634	10587	5923	17806	13538	11970	12154	8433	13205	150729	162285
- OLEFIN	309.4246	1039	261	620	442	750	791	137	576	972	447	458	481	6974	4368
- OTHER	309.4247	755	875	890	775	1217	944	821	1162	550	1282	815	609	10695	8555
GROUPED FILAMENTS															
NYLON	309.3220	211	95	51	142	24	390	142	295	114	122	169	193	1948	3048
POLYESTER[d]	309.3240	3251	1302	2292	2519	3107	2775	3484	3062	2209	1760	1793	1601	29155	23693
ACRYLIC	309.3250 & .3255	3372	2291	1957	2543	3648	1600	2974	2563	2293	2471	2148	1354	29214	33807
SUBTOTAL ABOVE		**54856**	**27716**	**36698**	**35359**	**42239**	**31780**	**43662**	**38342**	**31071**	**27568**	**21505**	**25716**	**416512**	**429563**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	303	196	237	297	345	159	200	743	1393	582	472	674	5601	12465
- POLYESTER	309.7630	4721	2234	3165	3800	3530	4091	4135	4105	3611	3923	5886	3203	46404	57371
- ACRYLIC	309.7640	419	214	716	111	176	391	298	810	169	854	305	341	4804	4620
- OTHER	309.7660	1405	342	873	803	1012	1380	1907	2020	1852	1804	2241	3197	18836	15203
SUBTOTAL ABOVE		**6848**	**2986**	**4991**	**5011**	**5063**	**6021**	**6540**	**7678**	**7025**	**7163**	**8904**	**7415**	**75645**	**89659**
TOTAL MAN-MADE FIBER ABOVE		**87952**	**53672**	**66654**	**72677**	**78964**	**76682**	**83641**	**84105**	**70333**	**66225**	**62478**	**64237**	**867620**	**828115**
TEXTILE GLASS FIBER	309.2700 & .9700	7000	3868	7463	5183	5044	5110	4786	4232	4100	4241	4094	3207	58328	58101
GRAND TOTAL ABOVE		**94952**	**57540**	**74117**	**77860**	**84008**	**81792**	**88427**	**88337**	**74433**	**70466**	**66572**	**67444**	**925948**	**886216**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 13:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & 0206	0	0	38	41	0	0	0	37	16	44	14	0	190	1571
OTHER	310.0130 & 0230*	1105	751	697	726	748	1547	723	1164	1622	1483	1222	1163	12951	8245
MONOFILAMENTS	309.0310 & 0610	0	17	1	0	0	0	0	0	1	0	0	0	19	5
STRIPS, $1/LB & UNDER	309.2000*	5	36	4	79	42	79	160	101	66	51	98	42	763	160
SUBTOTAL ABOVE		**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**	**1578**	**1334**	**1205**	**13923**	**9981**
STAPLE	309.4320 & 4325	1319	1255	1255	1186	610	408	745	877	761	1042	836	992	11286	15388
GROUPED FILAMENTS	309.3010 & 3110	62	163	58	122	106	29	77	193	44	117	1	50	1022	1605
SUBTOTAL ABOVE		**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**805**	**1159**	**837**	**1042**	**12308**	**16993**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & 7510[b]	**96**	**73**	**0**	**41**	**0**	**0**	**78**	**0**	**0**	**44**	**67**	**80**	**479**	**530**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0109 & 0209	2115	1670	2496	1645	992	4129	3940	3744	4263	3886	2355	1117	32352	17966
- POLYESTER	310.0110 & 0210	654	758	2492	1531	1834	1670	1394	1065	1848	1061	1245	1090	16642	10806
- OTHER	310.0114 & 0214	1157	1238	1081	816	1002	1263	1265	1031	1018	1391	1418	2043	14723	8939
OTHER - NYLON	310.0149 & 0249	2037	1819	1450	2132	1950	1961	1783	1219	727	1174	1039	1059	18350	30192
- POLYESTER	310.0150 & 0250	1336	1326	2183	838	1483	1291	1017	1263	2112	1113	1297	1469	16728	15698
- OTHER	310.0170 & 0270[c]	179	243	140	182	281	108	136	75	107	125	480	464	2520	2468
MONOFILAMENTS	309.0200 & 0330[d]	240	133	190	238	118	196	204	103	241	154	90	152	2059	2857
STRIPS, OVER $1/LB	309.2100 & 2500*	52	118	59	112	72	142	111	111	133	122	50	105	1187	1066
SUBTOTAL ABOVE		**7770**	**7305**	**10091**	**7494**	**7732**	**10760**	**9850**	**8611**	**10449**	**9026**	**7974**	**7499**	**104561**	**89992**
STAPLE - NYLON	309.4338	2329	1897	4525	2186	2030	3786	4667	5085	2733	3553	4148	1605	38544	38281
- POLYESTER	309.4342	1623	2018	1854	2551	2736	2382	2233	2149	2880	2050	1936	2388	26800	22890
- ACRYLIC	309.4345	1392	967	1073	1089	1102	1385	1483	2073	2388	1115	2119	1425	17611	13541
- OLEFIN	309.4346	38	169	270	355	583	796	472	841	737	733	367	371	5732	2213
- OTHER	309.4355	1838	1645	2997	894	2464	2233	1949	2155	2570	1946	2935	1890	25516	15412
GROUPED FILAMENTS															
NYLON	309.3030 & 3130[l]	1742	3045	1957	2013	3112	2351	3233	2381	1865	2931	2971	1913	29514	23129
POLYESTER	309.3040 & 3140[m]	372	335	188	270	160	668	921	464	519	325	380	378	4980	7104
ACRYLIC	309.3050 & 3150[n]	440	832	273	916	935	761	530	500	867	404	190	870	7518	6929
OTHER	309.3065 & 3165[o]	70	152	104	293	83	266	195	241	166	450	954	257	3231	1660
SUBTOTAL ABOVE		**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**	**13507**	**16000**	**11097**	**159446**	**131159**
WASTE, NOT ADVANCED															
- NYLON	309.6625	3094	4321	3549	1975	1905	1757	1943	1888	2742	1807	1112	1069	27162	31205
- POLYESTER	309.6630	445	950	1386	435	474	1001	391	259	414	332	568	494	7149	8042
- ACRYLIC	309.6645	+	0	10	20	58	0	0	53	61	61	20	0	283	39
- OTHER	309.6660	12	197	169	37	37	291	126	328	323	174	195	183	2072	4074
NOILS & GARNETTED FIBERS	309.6000 & 7000*	0	0	62	31	0	0	0	31	0	0	31	0	155	458
OTHER WASTE, ADVANCED	309.7525 - .7555	44	368	497	334	445	66	407	177	451	414	244	405	3852	6729
SUBTOTAL ABOVE		**3595**	**5836**	**5673**	**2832**	**2919**	**3115**	**2867**	**2736**	**3991**	**2788**	**2170**	**2151**	**40673**	**50547**
TOTAL MAN-MADE ABOVE	—	**23796**	**26496**	**31058**	**23088**	**25362**	**30566**	**30183**	**29608**	**31675**	**28102**	**28382**	**23074**	**331390**	**299202**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	0	+	1	0	0	0	0	0	0	0	0	1	1
- NONCELLULOSIC	310.1015* & 1109[f]	1106	665	740	248	365	747	1052	910	1203	960	708	566	9270	12223
OTHER - CELLULOSIC	310.1030 & 1135[g]	48	18	17	6	27	130	17	68	+	55	3	1	390	173
- NONCELLULOSIC	310.1050 & 1070[h]	346	503	337	392	894	480	340	404	116	48	59	113	4032	2763
SPUN YARN - CELLULOSIC	310.4005 & 4030[i]	83	143	119	110	168	143	160	150	253	97	232	81	1739	1724
- OTHER	310.4015 & 4027[j]	2643	1623	2810	2749	4479	3393	2901	2315	4283	2514	2278	2272	34260	35583
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - 8000	682	296	626	250	1126	1143	668	832	1096	722	899	572	8912	7517
HANDWORK YARNS & SEWING THREAD	310.9000 - 9140[p]	451	462	739	833	851	780	742	674	995	767	1132	857	9283	5445
SLIVER, TOPS & ROVING	309.9000	205	241	410	131	227	165	149	44	111	78	89	91	1941	4544
TEXTILE GLASS FIBER	309.2800 & 2900[k]	2454	1496	3565	3438	2651	4358	2589	2727	3063	1975	3136	3238	34690	23083
GRAND TOTAL ABOVE		**31814**	**31943**	**40421**	**31246**	**36150**	**41905**	**38801**	**37732**	**42795**	**35318**	**36918**	**30865**	**435908**	**392258**

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 309.6615.

c. Also includes 310.0530, .0550, .0630 & .0650.

d. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665

e. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

f. Also includes 310.1110 & .1114.

g. Also includes 310.2010 & .2110.

h. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

i. Also includes 310.5005 & .5030.

j. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

k. Chiefly roving. Also includes 309.9800 & .9900.

l. Also includes 309.3200.

m. Also includes 309.3340.

n. Also includes 309.3350.

o. Also includes 309.3365.

p. Also includes 310.9300 & .9500.

TABLE 14:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1985												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1985	1984
CELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	120	131	140	185	199	256	138	293	284	310	272	258	2586	2391
MEXICO	33	40	36	138	64	183	122	81	222	176	94	119	1308	784
FRANCE	27	0	0	30	0	0	0	0	30	0	0	10	97	387
GERMANY, FED. REP. OF	686	424	358	169	382	645	360	547	729	412	510	454	5676	4594
NETHERLANDS	77	76	84	145	36	209	101	128	130	200	103	84	1373	545
JAPAN	96	73	10	66	9	58	0	85	83	54	11	111	656	580
REP. OF KOREA	0	0	0	22	9	130	0	80	120	180	80	20	641	270
ALL OTHER COUNTRIES[a]	71	60	112	91	91	145	162	88	107	246	264	149	1586	430
TOTAL CELL. YARN	**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**	**1578**	**1334**	**1205**	**13923**	**9981**
CELLULOSIC STAPLE+TOW														
CANADA	788	662	561	548	522	348	556	545	649	516	661	947	7303	8392
AUSTRIA	62	88	19	20	0	20	0	153	0	178	114	0	654	1828
SWEDEN	314	368	271	595	1	0	189	90	0	0	0	0	1828	3533
UNITED KINGDOM	162	268	180	53	52	62	47	144	81	115	1	50	1215	1502
JAPAN	20	32	59	92	91	5	29	100	68	77	0	45	618	1449
ALL OTHER COUNTRIES[b]	35	0	223	0	50	2	1	38	7	273	61	0	690	289
TOTAL CELL. STAPLE+TOW	**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**805**	**1159**	**837**	**1042**	**12308**	**16993**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
CANADA	962	716	939	1085	1038	1507	1924	2334	1160	1599	1567	281	15112	16961
COSTA RICA	0	0	30	0	7	31	1	15	168	47	40	601	940	540
MEXICO	624	588	923	566	435	1099	766	687	471	681	925	880	8645	14096
AUSTRIA	83	109	89	126	43	44	31	54	35	117	98	37	866	376
BELGIUM	205	454	949	519	540	1084	642	404	747	419	296	1300	7559	776
FRANCE	682	441	320	314	104	471	375	546	519	335	310	210	4627	3368
GERMANY, FED. REP. OF	1676	1879	2645	1170	1639	1308	1368	739	1392	1021	783	777	16397	15989
ITALY	1528	911	925	258	529	2020	1581	1594	1027	1514	811	608	13306	9382
NETHERLANDS	93	1	37	54	98	79	136	53	91	19	239	4	904	646
SPAIN	1	0	+	0	2	1	0	2	+	7	0	0	13	395
SWITZERLAND	35	26	32	14	32	26	10	127	548	876	712	125	2563	461
UNITED KINGDOM	591	612	807	575	638	629	517	330	246	520	544	466	6475	4924
ISRAEL	78	274	98	181	286	278	142	29	363	181	256	206	2372	1779
JAPAN	584	793	473	875	724	462	475	332	277	818	407	479	6699	14619
REP. OF KOREA	3	1	1	4	1	0	1	0	20	8	1	9	49	296
TAIWAN	9	1	21	19	33	38	30	8	59	63	49	1	331	536
ROMANIA	88	0	0	0	22	0	0	0	44	0	0	0	154	551
SOUTH AFRICA	286	209	1618	986	1189	1260	902	966	1889	633	871	655	11464	3229
ALL OTHER COUNTRIES[c]	242	290	184	748	372	423	949	391	1393	168	65	860	6085	1068
TOTAL N.C. YARN	**7770**	**7305**	**10091**	**7494**	**7732**	**10760**	**9850**	**8611**	**10449**	**9026**	**7974**	**7499**	**104561**	**89992**
NONCELLULOSIC STAPLE+TOW														
BRAZIL	278	415	935	0	670	536	55	264	72	24	0	0	3249	1464
CANADA	1640	2153	1296	2287	2591	2214	2085	2626	2439	2394	1208	1454	24387	14182
COSTA RICA	86	330	187	260	144	189	400	221	329	242	176	73	2637	2359
MEXICO	1111	433	772	345	420	953	623	587	970	455	568	1353	8590	17598
BELGIUM	127	85	12	67	18	20	18	57	59	15	6	+	484	440
FRANCE	920	1032	923	621	392	656	1177	1041	616	566	1196	575	9715	4669
GERMANY, FED. REP. OF	1656	1970	1670	1456	2367	2402	3090	2897	2683	3669	4172	1732	29764	30620
ITALY	527	411	2448	481	506	1639	2162	2475	1313	1534	1976	1133	16605	13769
NETHERLANDS	74	27	67	29	32	3	40	33	27	32	12	23	399	644
SWITZERLAND	18	146	11	71	19	40	22	14	21	35	6	0	403	365
UNITED KINGDOM	740	1287	879	847	1619	1387	1380	1133	778	889	1625	961	13525	15455
ISRAEL	0	1	55	77	127	262	95	150	65	126	177	97	1232	189
JAPAN	1154	1247	1567	1982	2289	2345	1693	2628	2682	1728	2229	1533	23077	14235
REP. OF KOREA	37	170	165	928	475	346	317	345	579	385	249	579	4575	460
TAIWAN	1301	1033	2115	865	1290	1354	2199	1313	1661	1021	1933	1453	17538	11176
ROMANIA	83	88	95	36	29	99	136	29	201	80	137	29	1042	2089
SOUTH AFRICA	49	131	0	25	57	24	27	28	83	52	116	0	592	505
ALL OTHER COUNTRIES[d]	43	101	44	190	160	159	164	48	147	260	214	102	1632	940
TOTAL N.C. STAPLE+TOW	**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**	**13507**	**16000**	**11097**	**159446**	**131159**

+ Means a nominal poundage.

Other countries supplying 1985 poundages are:

[a] Australia 1, Austria 22, Belgium 47, Brazil 730, Egypt 20, Hong Kong 12, Ireland 147, Israel 49, Italy 8, China, PRC 6, Sweden 10, Taiwan 94, Thailand 36, United Kingdom 404.

[b] Belgium 3, Brazil 1, Germany, Fed. Rep. of 105, Finland 79, France 14, Hong Kong 2, Italy 43, Mexico 259, Netherlands 3, Romania 16, Taiwan 165.

[c] Argentina 41, Australia 1696, Brazil 233, Chile 84, Denmark 144, German Dem. Rep. 24, Hong Kong 4, Hungary 23, Iran 51, Ireland 218, Lebanon +, Morocco 55, Norway 204, Portugal 2, China, PRC 2, Singapore 95, Solomon Islands 10, Sweden 194, Turkey 47, Yugoslavia 2958.

[d] Australia 269, Austria 241, Denmark 118, Finland 307, Gabon 42, Hong Kong 49, Iceland 35, India 21, Ireland 335, Jordan 16, Kiribat 29, Philippines +, Portugal +, Spain 1, Sweden 35, Turkey 8, Yugoslavia 126.

TABLE 15:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1986												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**												**17.8**	**17.3**
NYLON[e] - INDUSTRIAL[f]	26.2												26.2	32.1
- CARPET	69.4												69.4	57.1
- TEXTILE[k]	30.7												30.7	33.1
POLYESTER - INDUSTRIAL[f]	28.2												28.2	26.4
- LOW DENIER INDUSTRIAL[g]	1.9												1.9	1.6
- TEXTILE	75.6												75.6	69.5
OLEFIN[h]	75.0												75.0	73.5
TOTAL NONCELLULOSIC ABOVE[i]	**307.0**												**307.0**	**293.3**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**35.0**												**35.0**	**29.0**
NYLON[e]	70.5												70.5	70.5
ACRYLIC+MODACRYLIC	49.1												49.1	51.5
POLYESTER	179.0												179.0	162.4
OLEFIN+VINYON	25.2												25.2	21.4
TOTAL NONCELLULOSIC ABOVE	**323.8**												**323.8**	**305.8**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.0**												**13.0**	**18.2**
NYLON[e] - INDUSTRIAL[f]	23.8												23.8	28.8
- CARPET	55.4												55.4	68.0
- TEXTILE[k]	49.0												49.0	49.3
POLYESTER - INDUSTRIAL[f]	25.1												25.1	24.3
- LOW DENIER INDUSTRIAL[g]	3.3												3.3	2.8
- TEXTILE	81.4												81.4	79.7
OLEFIN[h]	66.5												66.5	62.0
TOTAL NONCELLULOSIC ABOVE[i]	**304.5**												**304.5**	**314.9**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**												**20.7**	**30.3**
NYLON[e]	62.9												62.9	69.7
ACRYLIC+MODACRYLIC	66.1												66.1	76.6
POLYESTER	148.3												148.3	191.8
OLEFIN+VINYON	33.3												33.3	26.1
TOTAL NONCELLULOSIC ABOVE	**310.6**												**310.6**	**364.2**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														
RAW COTTON														

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 43 of the March 1985 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 43 of the March 1985 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 43 of the March 1985 issue.

k. Low denier industrial Nylon is now included with Textile.

TABLE 16:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[e]									
CELLULOSIC YARN[f]															
PRODUCTION	**55.2**	**56.0**	**50.0**	**37.0**	**198.2**	**52.8**	**54.5**	**48.4**	**48.9**	**204.6**					
SHIPMENTS - DOMESTIC	48.7	51.9	43.4	36.1	180.1	44.4	48.0	46.6	48.1	187.1					
- EXPORT	5.8	4.2	4.4	3.8	18.2	7.3	6.0	4.6	5.1	23.0					
TOTAL SHIPMENTS	**54.5**	**56.1**	**47.8**	**39.9**	**198.3**	**51.7**	**54.0**	**51.2**	**53.2**	**210.1**					
ENDING STOCK	**13.2**	**13.1**	**15.3**	**12.4**		**18.9**	**19.4**	**16.6**	**12.3**						
NYLON															
PRODUCTION	**400.9**	**407.9**	**383.3**	**385.2**	**1577.3**	**370.8**	**360.3**	**386.7**	**397.0**	**1514.8**					
SHIPMENTS - DOMESTIC	365.1	370.7	348.9	353.4	1438.1	323.7	353.0	368.9	371.8	1417.4					
- EXPORT	29.9	30.1	29.1	30.2	119.3	33.5	25.0	33.3	26.6	118.4					
TOTAL SHIPMENTS	**395.0**	**400.8**	**378.0**	**383.6**	**1557.4**	**357.2**	**378.0**	**402.2**	**398.4**	**1535.8**					
ENDING STOCK	**126.7**	**133.8**	**139.1**	**140.7**		**154.3**	**136.6**	**121.1**	**119.7**						
OLEFIN[b]															
PRODUCTION	**178.0**	**184.5**	**171.5**	**213.1**	**747.1**	**231.6**	**251.1**	**234.5**	**222.8**	**940.0**					
SHIPMENTS - DOMESTIC	169.3	180.2	169.6	206.5	725.6	223.6	246.0	234.4	220.2	924.2					
- EXPORT	4.3	3.8	4.2	4.2	16.5	3.6	3.8	3.2	3.4	14.0					
TOTAL SHIPMENTS	**173.6**	**184.0**	**173.8**	**210.7**	**742.1**	**227.2**	**249.8**	**237.6**	**223.6**	**938.2**					
ENDING STOCK	**60.9**	**61.4**	**59.1**	**61.5**		**65.9**	**67.2**	**64.1**	**63.3**						
POLYESTER															
PRODUCTION	**318.8**	**297.5**	**279.8**	**303.9**	**1200.0**	**316.2**	**340.8**	**345.9**	**318.0**	**1320.9**					
SHIPMENTS - DOMESTIC	291.9	286.1	276.9	293.0	1149.8	290.1	311.6	309.2	293.3	1204.2					
- EXPORT	14.1	12.4	9.9	16.8	53.2	17.7	30.6	29.0	31.0	108.3					
TOTAL SHIPMENTS	**306.0**	**298.5**	**286.8**	**306.8**	**1198.1**	**307.8**	**342.2**	**338.2**	**324.3**	**1312.5**					
ENDING STOCK	**110.4**	**109.4**	**102.4**	**99.5**		**107.9**	**106.5**	**114.2**	**107.9**						
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**897.7**	**889.9**	**834.6**	**902.2**	**3524.4**	**918.6**	**952.2**	**967.1**	**937.8**	**3775.7**					
SHIPMENTS - DOMESTIC	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	885.3	3545.8					
- EXPORT	48.3	46.3	43.2	51.2	189.0	54.8	59.4	65.5	61.0	240.7					
TOTAL SHIPMENTS	**874.6**	**883.3**	**838.6**	**901.1**	**3497.6**	**892.2**	**970.0**	**978.0**	**946.3**	**3786.5**					
ENDING STOCK	**298.0**	**304.6**	**300.6**	**301.7**		**328.1**	**310.3**	**299.4**	**290.9**						
DOMESTIC SHIPMENTS	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	885.3	3545.8					
IMPORTS - TEXTURED YARN[c]	12.4	13.3	12.0	12.3	50.0	16.2	16.2	22.7	17.8	72.9					
- OTHER YARN[c]	12.9	13.2	13.9	11.1	51.1	11.9	12.0	9.3	8.4	41.6					
- MONOFILAMENTS	1.0	0.7	0.8	0.4	2.9	0.6	0.6	0.5	0.4	2.1					
TOTAL IMPORTS	26.3	27.2	26.7	23.8	104.0	28.7	28.8	32.5	26.6	116.6					
TOTAL AVAILABLE	**852.6**	**864.2**	**822.1**	**873.7**	**3412.6**	**866.1**	**939.4**	**945.0**	**911.9**	**3662.4**					
						TEXTILE GLASS FIBER									
PRODUCTION	**333.3**	**337.0**	**342.9**	**380.8**	**1394.0**	**NA**	**NA**	**NA**	**NA**	**NA**					
SHIPMENTS - DOMESTIC	305.1	340.8	311.0	293.8	1250.7	300.6	NA	NA	NA	NA					
- EXPORT	11.7	14.8	14.9	16.6	58.0	17.3	NA	NA	NA	NA					
TOTAL SHIPMENTS	**316.8**	**355.6**	**325.9**	**310.4**	**1308.7**	**317.9**	**325.6**	**318.8**	**297.3**	**1259.6**					
ENDING STOCK	**141.2**	**122.6**	**139.6**	**210.0**		**NA**	**NA**	**NA**	**NA**	**NA**					
IMPORTS	7.8	5.7	5.4	4.2	23.1	7.5	9.4	8.4	9.4	34.7					
TOTAL AVAILABLE	**312.9**	**346.5**	**316.4**	**298.0**	**1273.8**	**308.1**	**NA**	**NA**	**NA**	**NA**					

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 42 & 43 of the March 1985 issue for further details on these yarns.

b. Also include film fiber as well as spunbonded polypropylene.

c. Include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 42 & 43 of the March 1985 issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

f. 1984 data - Acetate Yarn only.

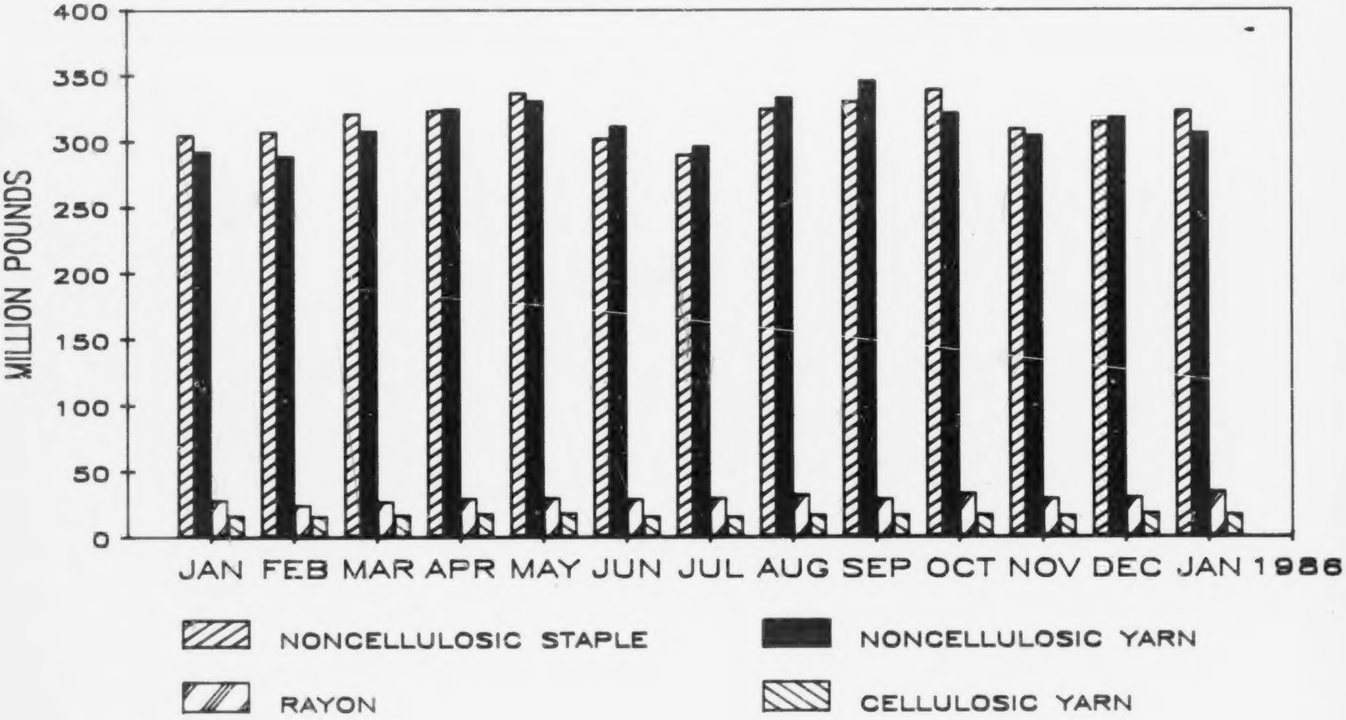
TABLE 17:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

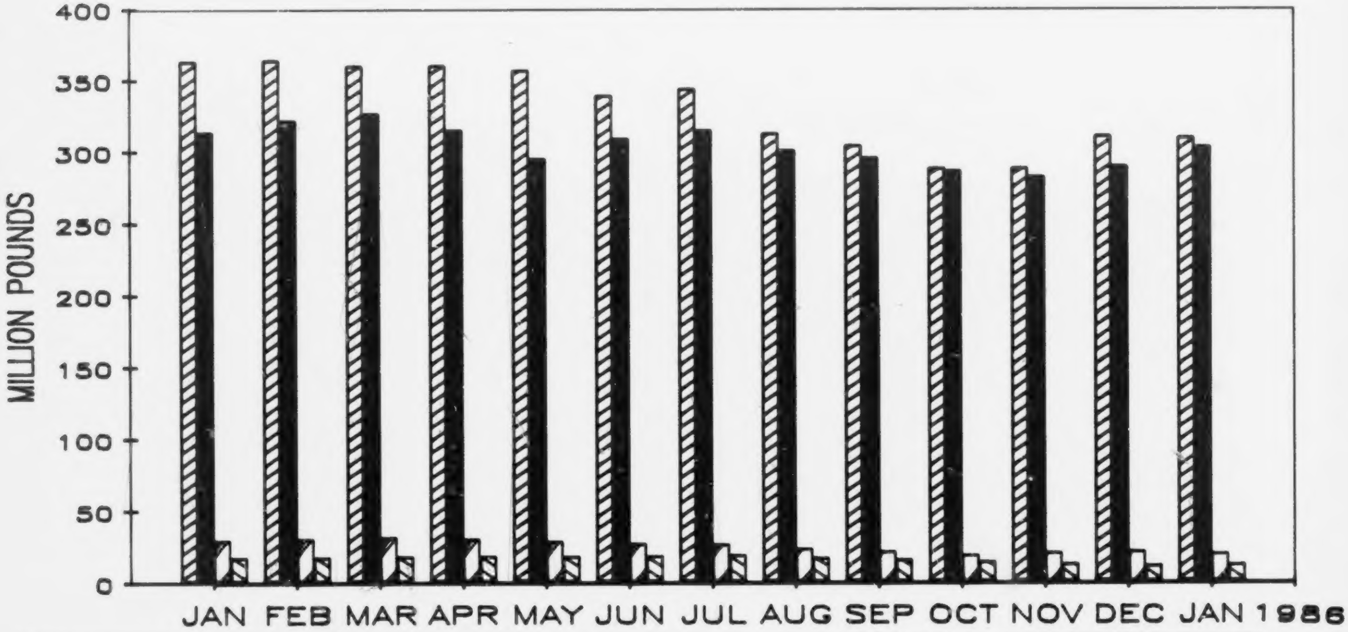
ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW[d]									
RAYON															
PRODUCTION	104.0	103.7	94.0	87.5	389.2	85.6	85.8	87.2	94.1	352.7					
SHIPMENTS - DOMESTIC	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7					
- EXPORT	11.3	20.3	10.3	10.2	52.1	7.9	13.5	10.0	3.6	35.0					
TOTAL SHIPMENTS	102.0	102.8	91.9	87.3	384.0	81.7	90.1	92.9	94.0	358.7					
ENDING STOCK	25.3	26.2	28.3	28.5		32.4	28.1	22.4	22.5						
DOMESTIC SHIPMENTS	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7					
IMPORTS FOR CONSUMPTION															
STAPLE	4.4	3.2	3.9	3.9	15.4	3.8	2.2	2.4	2.9	11.3					
GROUPED FILAMENTS	0.4	0.3	0.5	0.4	1.6	0.3	0.3	0.3	0.2	1.1					
TOTAL IMPORTS	4.8	3.5	4.4	4.3	17.0	4.1	2.5	2.7	3.1	12.4					
TOTAL AVAILABLE	95.5	86.0	86.0	81.4	348.9	77.9	79.1	85.6	93.5	336.1					
NYLON															
PRODUCTION	220.9	216.6	193.0	204.3	834.8	191.6	200.8	215.6	219.7	827.7					
SHIPMENTS - DOMESTIC	211.1	210.6	194.5	198.2	814.4	192.8	202.7	212.9	221.9	830.3					
- EXPORT	5.6	3.1	4.6	3.6	16.9	3.3	3.1	3.2	3.7	13.3					
TOTAL SHIPMENTS	216.7	213.7	199.1	201.8	831.3	196.1	205.8	216.1	225.6	843.6					
ENDING STOCK	79.3	82.2	76.1	78.6		74.1	69.1	68.6	62.7						
IMPORTS	7.9	7.8	12.1	10.5	38.3	8.7	8.0	12.5	9.3	38.5					
TOTAL AVAILABLE	219.0	218.4	206.6	208.7	852.7	201.5	210.7	225.4	231.2	868.8					
ACRYLIC+MODACRYLIC															
PRODUCTION	171.7	174.9	164.7	159.5	670.8	163.0	158.5	152.1	157.2	630.8					
SHIPMENTS - DOMESTIC	120.6	124.2	107.7	94.2	446.7	105.3	119.7	118.6	115.1	458.7					
- EXPORT	48.5	51.3	60.7	59.0	219.5	59.0	42.4	46.7	37.0	185.1					
TOTAL SHIPMENTS	169.1	175.5	168.4	153.2	666.2	164.3	162.1	165.3	152.1	643.8					
ENDING STOCK	75.4	74.8	71.1	77.4		76.1	72.5	59.3	64.4						
IMPORTS	3.3	3.8	3.9	2.5	13.5	3.4	3.6	5.9	4.7	17.6					
TOTAL AVAILABLE	123.9	128.0	111.6	96.7	460.2	108.7	123.3	124.5	119.8	476.3					
OLEFIN+VINYON															
PRODUCTION	57.3	61.8	64.4	66.4	249.9	69.1	72.7	75.1	77.8	294.7					
SHIPMENTS - DOMESTIC	53.7	61.0	62.7	63.5	240.9	67.2	71.9	70.8	69.8	279.7					
- EXPORT	3.8	0.6	0.5	0.9	5.8	1.0	2.0	3.2	2.3	8.5					
TOTAL SHIPMENTS	57.5	61.6	63.2	64.4	246.7	68.2	73.9	74.0	72.1	288.2					
ENDING STOCK	19.8	20.0	21.2	23.2		24.1	22.9	24.0	29.7						
POLYESTER															
PRODUCTION	561.6	573.5	531.4	525.3	2191.8	520.7	512.2	468.9	518.3	2020.1					
SHIPMENTS - DOMESTIC	514.2	527.7	481.3	469.0	1992.2	456.3	460.2	462.4	493.8	1872.7					
- EXPORT	32.8	34.6	44.8	88.0	200.2	51.0	63.2	29.1	22.6	165.9					
TOTAL SHIPMENTS	547.0	562.3	526.1	557.0	2192.4	507.3	523.4	491.5	516.4	2038.6					
ENDING STOCK	188.7	199.9	205.2	173.5		186.9	175.7	153.1	155.0						
IMPORTS	7.8	5.5	5.2	4.4	22.9	5.5	7.7	7.3	6.3	26.8					
TOTAL AVAILABLE	522.0	533.2	486.5	473.4	2015.1	461.8	467.9	469.7	500.1	1899.5					
TOTAL NONCELLULOSIC															
PRODUCTION	1011.5	1026.8	953.5	955.5	3947.3	944.4	944.2	911.7	973.0	3773.3					
SHIPMENTS - DOMESTIC	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4					
- EXPORT	90.7	89.6	110.6	151.5	442.4	114.3	110.7	82.2	65.6	372.8					
TOTAL SHIPMENTS	990.3	1013.1	956.8	976.4	3936.6	935.9	965.2	946.9	986.2	3814.2					
ENDING STOCK	363.2	376.9	373.6	352.7		361.2	340.2	305.0	311.8						
DOMESTIC SHIPMENTS	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4					
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[e]	19.0	17.1	21.2	17.4	74.7	17.6	19.3	25.7	20.3	82.9					
OTHER N.C. STAPLE	4.6	4.2	5.3	3.5	17.6	7.1	7.3	8.7	8.2	31.3					
GROUPED FILAMENTS	11.0	9.5	9.6	8.7	38.8	9.5	11.8	11.9	12.3	45.5					
TOTAL IMPORTS	34.6	30.8	36.1	29.6	131.1	34.2	38.4	46.3	40.8	159.7					
TOTAL AVAILABLE	934.2	954.3	882.3	854.5	3625.3	855.8	892.9	911.0	941.4	3601.1					

See footnotes on opposite page.

GRAPH 5:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA



1985 TOTAL SHIPMENTS



1985 END—OF—MONTH STOCK

C 8850 -1

TEXTILE Organon

Volume 57, No. 3 ☐ March 1986

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

Textile Organon *Features:*

Raw Fiber Equivalent of Imports, Exports & Balance . . . begins on page 44.

U.S. Fiber Industry Employment . . . see page 49.

1985: A Year in Perspective . . . begins on page 50.

In February, shipments of noncellulosic yarn+monofilaments increased by 4.8% to 325.9 million pounds from the 311.0 million pounds shipped in January.

Shipments of noncellulosic staple+tow fell almost 5% to 306.8 million pounds.

- ***Olefin yarn*** shipments rose by 14.5%, the highest level since June 1985.
- ***Nylon industrial yarn*** shipments recorded a 12.2% gain.
- ***Olefin+Vinyon staple*** shipments increased by 7.5%.
- ***Polyester industrial yarn*** shipments fell by over 9%.
- ***Nylon staple+tow*** deliveries declined by over 9%.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT*

ITEM	1986 FEB	1986 JAN	%[a]	1985 FEB	%[b]	YEAR TO DATE 1986	YEAR TO DATE 1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**17.2**	**17.8**	*-3.4*	**16.7**	*+3.0*	**35.0**	**34.0**	*+2.9*
NYLON[d] - INDUSTRIAL	29.4	26.2	*+12.2*	31.0	*-5.2*	55.6	63.1	*-11.9*
- CARPET	70.9	69.4	*+2.2*	51.9	*+36.6*	140.3	109.0	*+28.7*
- TEXTILE[e]	31.0	30.7	*+1.0*	29.5	*+5.1*	61.7	62.6	*-1.4*
POLYESTER - INDUSTRIAL	25.6	28.2	*-9.2*	24.5	*+4.5*	53.8	50.9	*+5.7*
- LOW DENIER INDUSTRIAL	2.3	1.9	*+21.1*	1.6	*+43.7*	4.2	3.2	*+31.3*
- TEXTILE	75.7	75.1	*+0.8*	75.6	*+0.1*	150.8	145.1	*+3.9*
OLEFIN	91.0	79.5	*+14.5*	75.8	*+20.1*	170.5	149.3	*+14.2*
TOTAL NONCELLULOSIC ABOVE	**325.9**	**311.0**	*+4.8*	**289.9**	*+12.4*	**636.9**	**583.2**	*+9.2*
STAPLE+TOW+FIBERFILL								
RAYON	**30.0**	**35.0**	*-14.3*	**25.0**	*+20.0*	**65.0**	**54.0**	*+20.4*
NYLON[d]	63.9	70.5	*-9.4*	60.6	*+5.4*	134.4	131.1	*+2.5*
ACRYLIC+MODACRYLIC	46.4	49.1	*-5.5*	55.0	*-15.6*	95.5	106.5	*-10.3*
POLYESTER	170.7	179.0	*-4.6*	169.5	*+0.7*	349.7	331.9	*+5.4*
OLEFIN+VINYON	25.8	24.0	*+7.5*	23.1	*+11.7*	49.8	44.5	*+11.9*
TOTAL NONCELLULOSIC ABOVE	**306.8**	**322.6**	*-4.9*	**308.2**	*-0.5*	**629.4**	**614.0**	*+2.5*

a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. Nylon excludes Aramid.
e. Low denier industrial Nylon is included with Textile.
Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

MARCH 1986

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

Copyright ©1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

Item	U.S.A.	Other
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

CONTENTS

Features

Raw Fiber Equivalent of Imports, Exports & Balance **44-48**
- Graph 1: U.S. Balance of Trade in Man-Made Fiber & Manufactures 44
- Graph 2: U.S. Balance of Trade in Man-Made Fiber vs. U.S. Balance of Trade in Man-Made Fiber Manufactures 44
- Raw Fiber Equivalent of Imports, Exports & Balance of Cotton Manufactures 45
- Raw Fiber Equivalent of Imports, Exports & Balance of Man-Made Fiber Manufactures 46
- Raw Fiber Equivalent of Imports, Exports & Balance of Wool Manufactures 47
- Graph 3: U.S. Textile Industry Monthly Trade Balance - Trade in all Fibers and Manufactures 48
- U.S. Textile Industry Monthly Trade Balance - Trade in all Fibers and Manufactures 48

U.S. Fiber Industry Employment Detail **49**
- Graph 4: U.S. Fiber Industry Employment 49

1985: A Year in Perspective **50-56**
- Mill Consumption By Fiber 50
- Mill Consumption of Man-Made Fiber, Cotton & Wool 50
- Graph 5: U.S. Mill Consumption of Man-Made Fiber, Cotton & Wool 51
- Graph 6: Domestic Consumption of Man-Made Fiber, Cotton & Wool vs. Imports of Fiber and Manufactures 51
- Graph 7: Domestic Consumption Detail: Man-Made Fiber, Cotton & Wool 51
- Man-Made Fiber Production 52
- Noncellulosic Fiber Production Detail 52
- Man-Made Fiber Distribution 53
- U.S. Mill Consumption and Domestic Consumption 54
- Raw Fiber Equivalent of Imports, Exports & Balance 55
- Filament Yarn Domestic Shipments By Denier 56
- Producers Waste Shipments 56
- Raw Cotton Consumption 56
- Raw Silk Deliveries 56

Industry Regulars

- Total Man-Made Fiber Shipments 41

Datagram **43**

Trade Barometer **57-64**
- Graph 8: Imports vs. Exports of Man-Made Fiber 57
- Graph 9: Man-Made Fiber Monthly Trade Balance 58
- Man-Made Fiber Monthly Trade Balance 58

Monthly U.S. Man-Made Fiber Data **59-61**
- Imports By Country of Origin 59
- Imports For Consumption 60
- Exports By Fiber 61

Quarterly Man-Made Fiber Data **62-63**
- Filament Yarn Domestic Shipments 62
- Staple+Tow Domestic Shipments 63

Selected U.S. Monthly Textile Fiber Data **64**

DATAGRAM

U.S. BALANCE OF TRADE IN MMF TEXTILES DETERIORATES FURTHER IN 1985

The balance of trade in man-made fiber and manufactures fell to a net-import balance of 387 million pounds in 1985. This brings the 1985 net-import balance to the highest level since 1972 (Graph 1).

MAN-MADE FIBER TRADE IMPROVES

The trade situation for the U.S. man-made fiber industry continues to improve in 1985, with a net-export balance of 536 million pounds, up slightly from the 530 million pounds in 1984 (Graph 2).

TRADE IN MAN-MADE FIBER MANUFACTURES CONTINUES TO SUFFER

Exports of man-made fiber manufactures declined by 6% in 1985, while imports grew by over 3%, resulting to a net-import balance of 923 million pounds (Graph 2).

1985 MONTHLY RESULTS

After high import levels during the first six months in 1985, the trade situation for all fibers and manufactures (cotton, wool and man-made fiber) started to improve slightly (Graph 3). In July, the net-import balance reached nearly 255 million pounds. For the first six months of 1985, the import balance averaged 155 million pounds. During August to December, the industry trade situation improved slightly with an average monthly import balance of 151 million pounds.

1985 DOMESTIC CONSUMPTION OF FIBER RISES

In 1985, domestic consumption of man-made fiber, cotton and wool totaled 13,569 million pounds, up almost 4% from 1984. The growth in consumption came as a result of increased imports of textile and manufactures, as well as the rise in U.S. mill consumption by over 14% to 10,942 million pounds in 1985.

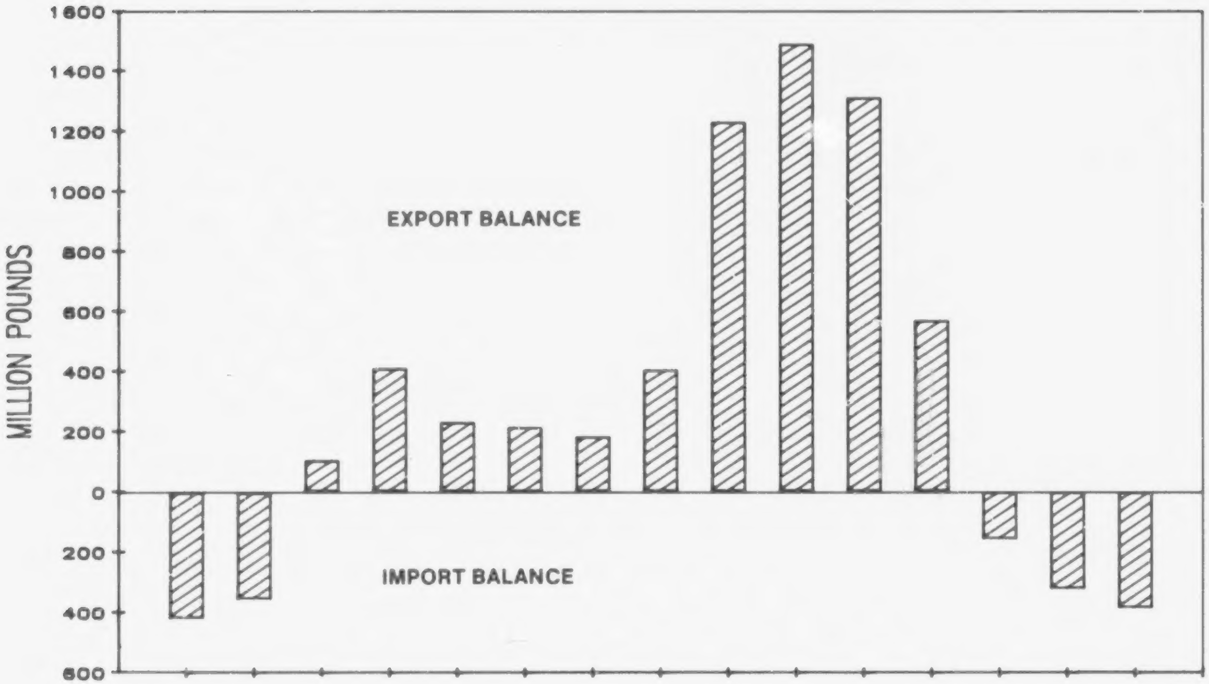
U.S. MAN-MADE FIBER INDUSTRY EMPLOYMENT DROPPED BY 41% DURING THE LAST 10 YEARS

The U.S. man-made fiber industry experienced a dramatic decline in number of employees during the last 10 years. In 1985, around 62,558 workers were employed in man-made fiber production and sales in the United States compared to 106,500 in 1975, a decline of over 41%. Employment in the man-made fiber production sector fell by almost 44% during the last 10 years to 42,826, whereas employment for salaried workers plummeted by over 36% to 19,732 during the same period.

CHINA TO ACHIEVE SELF - SUFFICIENCY IN MAN-MADE FIBER PRODUCTION BY THE END OF THIS CENTURY

According to the Chinese Ministry of Textile Industry, China is aiming towards self-sufficiency in the production of man-made fibers by the year 2000. Last year, China produced an estimated 800,000 metric tons of man-made fibers. By 1990, output is expected to reach 1.4 million tons annually and over 2 million tons by the end of this century. The Chinese are planning to build the world's largest polyester plant in three phases. The first segment is already in operation and the second phase is slated for completion in 1989. This facility is expected to produce in excess of one billion pounds of polyester annually. (DNR 3/4/86).

GRAPH 1:
U.S. BALANCE OF TRADE IN MAN-MADE
FIBER & MANUFACTURES



GRAPH 2:
U.S. BALANCE OF TRADE IN MAN-MADE FIBER VS.
U.S. BALANCE OF TRADE IN MAN-MADE FIBER MANUFACTURES

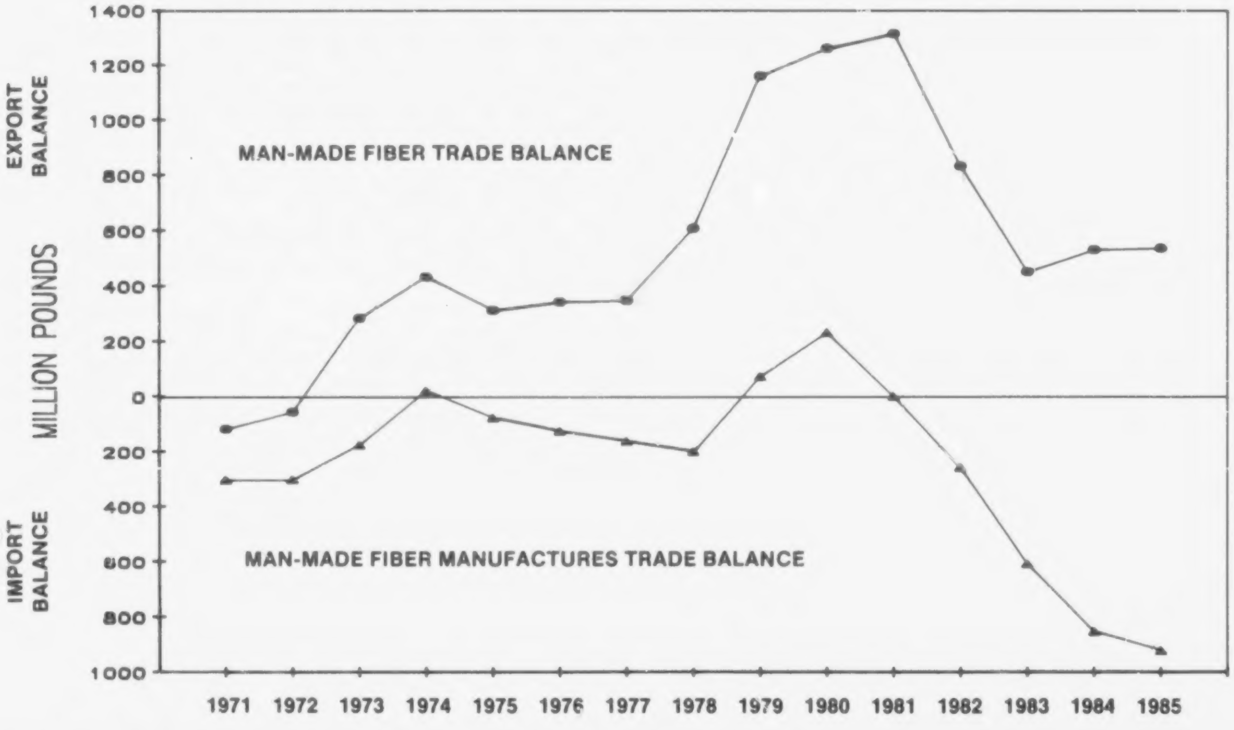


TABLE 2:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF COTTON MANUFACTURES

MILLION POUNDS

COMMODITY	1985												YEAR	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	2.7	3.8	3.5	4.4	4.1	4.0	5.3	4.0	5.4	5.9	7.1	6.1	56.3	54.6
CLOTH[b]	26.3	37.1	37.8	31.9	39.8	33.7	32.1	29.3	36.8	37.8	38.5	40.1	421.2	450.8
SUBTOTAL	**29.0**	**40.9**	**41.3**	**36.3**	**43.9**	**37.7**	**37.4**	**33.3**	**42.2**	**43.7**	**45.6**	**46.2**	**477.5**	**505.4**
MANUFACTURED PRODUCTS														
WEARING APPAREL[c]	64.2	77.7	78.7	59.3	73.2	75.6	87.5	72.4	50.2	45.4	48.6	50.6	783.4	759.5
INDUSTRIAL[d]	3.9	3.8	4.5	3.5	3.7	3.5	4.0	2.9	0.7	0.6	0.5	0.8	32.4	37.6
HOME FURNISHINGS[e]	12.5	13.6	15.5	12.4	15.2	13.5	13.2	12.7	17.5	13.5	14.9	15.2	169.7	138.9
ALL OTHER[f]	2.7	2.1	3.0	2.5	3.5	3.7	2.8	2.8	2.8	2.7	6.3	3.7	38.6	23.4
SUBTOTAL	**83.3**	**97.2**	**101.7**	**77.7**	**95.6**	**96.3**	**107.5**	**90.8**	**71.2**	**62.2**	**70.3**	**70.3**	**1024.1**	**959.4**
TOTAL IMPORTS	**112.3**	**138.1**	**143.0**	**114.0**	**139.5**	**134.0**	**144.9**	**124.1**	**113.4**	**105.9**	**115.9**	**116.5**	**1501.6**	**1464.8**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	1.7	1.5	1.9	2.0	2.1	2.5	1.4	2.4	5.5	1.8	1.6	1.4	25.8	20.0
CLOTH[g]	7.5	6.0	7.9	8.3	6.3	6.7	6.3	8.1	6.5	6.8	6.0	5.8	82.2	64.5
SUBTOTAL	**9.2**	**7.5**	**9.8**	**10.3**	**8.4**	**9.2**	**7.7**	**10.5**	**12.0**	**8.6**	**7.6**	**7.2**	**108.0**	**84.5**
MANUFACTURED PRODUCTS														
WEARING APPAREL	4.0	4.5	5.2	5.9	4.5	3.7	3.8	4.3	4.6	5.2	5.8	3.9	55.4	68.2
INDUSTRIAL[d]	1.1	1.2	1.6	1.7	1.2	1.5	1.0	1.6	1.2	1.7	1.4	1.3	16.5	14.4
HOME FURNISHINGS[h]	2.8	2.7	2.4	2.3	2.6	2.7	2.5	2.4	2.2	2.6	2.6	2.6	30.4	36.9
ALL OTHER[i]	0.1	+	+	+	+	0.1	+	+	+	+	0.1	0.1	0.4	0.6
SUBTOTAL	**8.0**	**8.4**	**9.2**	**9.9**	**8.3**	**8.0**	**7.3**	**8.3**	**8.0**	**9.5**	**9.9**	**7.9**	**102.7**	**120.1**
TOTAL EXPORTS	**17.2**	**15.9**	**19.0**	**20.2**	**16.7**	**17.2**	**15.0**	**18.8**	**20.0**	**18.1**	**17.5**	**15.1**	**210.7**	**204.6**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	1.0 I	2.3 I	1.6 I	2.4 I	2.0 I	1.5 I	3.9 I	1.6 I	0.1 E	4.1 I	5.5 I	4.7 I	30.5 I	34.6 I
CLOTH	18.8 I	31.1 I	29.9 I	23.6 I	33.5 I	27.0 I	25.8 I	21.2 I	30.3 I	31.0 I	32.5 I	34.3 I	339.0 I	386.3 I
SUBTOTAL	**19.8 I**	**33.4 I**	**31.5 I**	**26.0 I**	**35.5 I**	**28.5 I**	**29.7 I**	**22.8 I**	**30.2 I**	**35.1 I**	**38.0 I**	**39.0 I**	**369.5 I**	**420.9 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	60.2 I	73.2 I	73.5 I	53.4 I	68.7 I	71.9 I	83.7 I	68.1 I	45.6 I	40.2 I	42.8 I	46.7 I	728.0 I	691.3 I
INDUSTRIAL	2.8 I	2.6 I	2.9 I	1.8 I	2.5 I	2.0 I	3.0 I	1.3 I	0.5 E	1.1 E	0.9 E	0.5 E	15.9 I	23.2 I
HOME FURNISHINGS	9.7 I	10.9 I	13.1 I	10.1 I	12.6 I	10.8 I	10.7 I	10.3 I	15.3 I	10.9 I	12.3 I	12.6 I	139.3 I	102.0 I
ALL OTHER	2.6 I	2.1 I	3.0 I	2.5 I	3.5 I	3.6 I	2.8 I	2.8 I	2.8 I	2.7 I	6.2 I	3.6 I	38.2 I	22.8 I
SUBTOTAL	**75.3 I**	**88.8 I**	**92.5 I**	**67.8 I**	**87.3 I**	**88.3 I**	**100.2 I**	**82.5 I**	**63.2 I**	**52.7 I**	**60.4 I**	**62.4 I**	**921.4 I**	**839.3 I**
TOTAL BALANCE	**95.1 I**	**122.2 I**	**124.0 I**	**93.8 I**	**122.8 I**	**116.8 I**	**129.9 I**	**105.3 I**	**93.4 I**	**87.8 I**	**98.4 I**	**101.4 I**	**1290.9 I**	**1260.2 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*.

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8, & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 54 of this issue.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber include imports of soft-sided luggage For those years the poundages were, respectively, 180.5, 228.0 & 157.4 for man-made fiber, and 14.1, 18.7, & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 3:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER MANUFACTURES

MILLION POUNDS

	1985												YEAR	
COMMODITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	5.6	4.1	5.8	4.8	8.1	7.2	6.3	5.3	6.0	3.8	4.2	3.5	64.7	71.0
CLOTH[b]	18.9	17.3	20.4	10.7	15.5	16.0	14.0	12.6	9.6	6.9	5.9	5.4	153.2	170.4
SUBTOTAL	**24.5**	**21.4**	**26.2**	**15.5**	**23.6**	**23.2**	**20.3**	**17.9**	**15.6**	**10.7**	**10.1**	**8.9**	**217.9**	**241.4**
MANUFACTURED PRODUCTS														
WEARING APPAREL[c]	50.4	63.8	59.1	48.1	67.9	73.1	88.0	73.8	81.9	68.3	59.4	56.3	790.1	688.9
INDUSTRIAL[d]	0.1	0.1	0.1	0.1	+	+	+	0.1	0.1	0.1	0.1	0.1	0.9	0.4
HOME FURNISHINGS[e] ALL OTHER[f]	21.2	31.0	30.9	26.8	30.7	27.6	28.6	27.1	41.9	37.4	37.3	34.3	374.8	411.3
SUBTOTAL	**71.7**	**94.9**	**90.1**	**75.0**	**98.6**	**100.7**	**116.6**	**101.0**	**123.9**	**105.8**	**96.8**	**90.7**	**1165.8**	**1100.6**
TOTAL IMPORTS	**96.2**	**116.3**	**116.3**	**90.5**	**122.2**	**123.9**	**136.9**	**118.9**	**139.5**	**116.5**	**106.9**	**99.6**	**1383.7**	**1342.0**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	3.5	3.3	4.4	3.3	7.9	3.4	3.2	5.1	3.7	4.8	4.6	3.7	50.9	38.5
CLOTH[g]	11.9	9.0	13.7	12.5	12.7	14.0	14.5	14.7	16.3	13.5	15.2	10.6	158.6	152.6
SUBTOTAL	**15.4**	**12.3**	**18.1**	**15.8**	**20.6**	**17.4**	**17.7**	**19.8**	**20.0**	**18.3**	**19.8**	**14.3**	**209.5**	**191.1**
MANUFACTURED PRODUCTS														
WEARING APPAREL	4.4	4.2	5.6	6.4	5.8	4.7	5.2	5.6	5.6	6.3	6.5	4.9	65.2	79.4
INDUSTRIAL[d]	1.7	2.5	2.3	1.5	2.5	3.4	2.5	2.7	3.1	2.6	2.1	3.3	30.2	31.3
HOME FURNISHINGS[h]	9.1	4.1	9.3	8.5	6.7	7.9	7.0	6.6	5.8	5.9	5.2	5.8	81.9	102.9
ALL OTHER[i]	6.6	6.1	7.2	6.2	6.9	6.5	5.7	7.6	5.2	5.6	4.8	5.1	73.5	83.3
SUBTOTAL	**21.8**	**16.9**	**24.4**	**22.6**	**21.9**	**22.5**	**20.4**	**22.5**	**19.7**	**20.4**	**18.6**	**19.1**	**250.8**	**296.9**
TOTAL EXPORTS	**37.2**	**29.2**	**42.5**	**38.4**	**42.5**	**39.9**	**38.1**	**42.3**	**39.7**	**38.7**	**38.4**	**33.4**	**460.3**	**488.0**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	2.1 **I**	0.8 **I**	1.4 **I**	1.5 **I**	0.2 **I**	3.8 **I**	3.1 **I**	0.2 **I**	2.3 **I**	1.0 **E**	0.4 **E**	0.2 **E**	13.8 **I**	32.5 **I**
CLOTH	7.0 **I**	8.3 **I**	6.7 **I**	1.8 **E**	2.8 **I**	2.0 **I**	0.5 **E**	2.1 **E**	6.7 **E**	6.6 **E**	9.3 **E**	5.2 **E**	5.4 **E**	17.8 **I**
SUBTOTAL	**9.1 I**	**9.1 I**	**8.1 I**	**0.3 E**	**3.0 I**	**5.8 I**	**2.6 I**	**1.9 E**	**4.4 E**	**7.6 E**	**9.7 E**	**5.4 E**	**8.4 I**	**50.3 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	46.0 **I**	59.6 **I**	53.5 **I**	41.7 **I**	62.1 **I**	68.4 **I**	82.8 **I**	68.2 **I**	76.3 **I**	62.0 **I**	52.9 **I**	51.4 **I**	724.9 **I**	609.5 **I**
INDUSTRIAL	1.6 **E**	2.4 **E**	2.2 **E**	1.4 **E**	2.5 **E**	3.4 **E**	2.5 **E**	2.6 **E**	3.0 **E**	2.5 **E**	2.0 **E**	3.2 **E**	29.3 **E**	30.9 **E**
HOME FURNISHINGS ALL OTHER	5.5 **I**	20.8 **I**	14.4 **I**	12.1 **I**	17.1 **I**	13.2 **I**	15.9 **I**	12.9 **I**	30.9 **I**	25.9 **I**	27.3 **I**	23.4 **I**	219.4 **I**	225.1 **I**
SUBTOTAL	**49.9 I**	**78.0 I**	**65.7 I**	**52.4 I**	**76.7 I**	**78.2 I**	**96.2 I**	**78.5 I**	**104.2 I**	**85.4 I**	**78.2 I**	**71.6 I**	**915.0 I**	**803.7 I**
TOTAL BALANCE	**59.0 I**	**87.1 I**	**73.8 I**	**52.1 I**	**79.7 I**	**84.0 I**	**98.8 I**	**76.6 I**	**99.8 I**	**77.8 I**	**68.5 I**	**66.2 I**	**923.4 I**	**854.0 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*.

[a] Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8, & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here, rather they are included in Column 13 on page 54 of this issue.

[b] Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

[c] Wool includes lace & lace articles, veils & veilings and nets & nettings.

[d] The man-made fiber data are tire cord & tire cord fabric.

[e] Includes carpets & rugs. Lace window curtains are in All Other.

[f] Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber include imports of soft-sided luggage. For those years the poundages were, respectively, 180.5, 228.0 & 157.4 for man-made fiber, and 14.1, 18.7, & 8.2 for cotton.

[g] Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

[h] Includes carpets & rugs.

[i] Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 4:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	1985												YEAR	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	1.1	1.1	1.3	1.0	1.5	1.3	1.3	1.1	1.4	1.1	0.9	1.0	14.1	16.3
CLOTH[b]	2.1	2.3	3.9	3.6	4.9	4.8	3.8	3.0	2.8	2.1	1.6	1.5	36.4	39.0
SUBTOTAL	**3.2**	**3.4**	**5.2**	**4.6**	**6.4**	**6.1**	**5.1**	**4.1**	**4.2**	**3.2**	**2.5**	**2.5**	**50.5**	**55.3**
MANUFACTURED PRODUCTS														
WEARING APPAREL[c]	5.7	5.8	5.9	5.6	9.6	12.8	19.7	18.6	12.2	9.5	5.8	3.5	114.7	80.8
INDUSTRIAL[d]	NOMINAL POUNDAGES INCLUDED IN OTHER													
HOME FURNISHINGS	5.0	5.1	5.9	5.4	5.0	4.6	4.1	4.6	4.9	5.8	5.0	5.4	60.8	52.1
ALL OTHER[f]	+	+	+	+	+	+	+	+	0.2	0.1	0.2	0.1	0.6	1.2
SUBTOTAL	**10.7**	**10.9**	**11.8**	**11.0**	**14.6**	**17.4**	**23.8**	**23.2**	**17.3**	**15.4**	**11.0**	**9.0**	**176.1**	**134.1**
TOTAL IMPORTS	**13.9**	**14.3**	**17.0**	**15.6**	**21.0**	**23.5**	**28.9**	**27.3**	**21.5**	**18.6**	**13.5**	**11.5**	**226.6**	**189.4**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	0.4	0.3	0.3	0.6	0.7	0.9	2.0	0.9	0.8	1.0	0.7	0.7	9.3	2.7
CLOTH[g]	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	1.6	1.4
SUBTOTAL	**0.6**	**0.4**	**0.4**	**0.8**	**0.9**	**1.0**	**2.2**	**1.0**	**0.9**	**1.1**	**0.8**	**0.8**	**10.9**	**4.1**
MANUFACTURED PRODUCTS														
WEARING APPAREL	0.3	0.2	0.4	0.4	0.6	0.4	0.4	0.3	0.2	0.2	0.3	0.2	3.9	2.7
INDUSTRIAL[d]	NOMINAL POUNDAGES INCLUDED IN OTHER													
HOME FURNISHINGS[h]	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	3.3	6.5
ALL OTHER[i]	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	1.8
SUBTOTAL	**0.7**	**0.5**	**0.8**	**0.8**	**1.0**	**0.8**	**0.8**	**0.7**	**0.6**	**0.5**	**0.7**	**0.5**	**8.4**	**11.0**
TOTAL EXPORTS	**1.3**	**0.9**	**1.2**	**1.6**	**1.9**	**1.8**	**3.0**	**1.7**	**1.5**	**1.6**	**1.5**	**1.3**	**19.3**	**15.1**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	0.7 I	0.8 I	1.0 I	0.4 I	0.8 I	0.4 I	0.7 E	0.2 I	0.6 I	0.1 I	0.2 I	0.3 I	4.8 I	13.6 I
CLOTH	1.9 I	2.2 I	3.8 I	3.4 I	4.7 I	4.7 I	3.6 I	2.9 I	2.7 I	2.0 I	1.5 I	1.4 I	34.8 I	37.6 I
SUBTOTAL	**2.6 I**	**3.0 I**	**4.8 I**	**3.8 I**	**5.5 I**	**5.1 I**	**2.9 I**	**3.1 I**	**3.3 I**	**2.1 I**	**1.7 I**	**1.7 I**	**39.6 I**	**51.2 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	5.4 I	5.6 I	5.5 I	5.2 I	9.0 I	12.4 I	19.3 I	18.3 I	12.0 I	9.3 I	5.5 I	3.3 I	110.8 I	78.1 I
INDUSTRIAL[d]	NOMINAL POUNDAGES INCLUDED IN OTHER													
HOME FURNISHINGS	4.7 I	4.9 I	5.6 I	5.1 I	4.7 I	4.3 I	3.8 I	4.3 I	4.6 I	5.6 I	4.7 I	5.2 I	57.5 I	45.6 I
ALL OTHER	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 I	0	0.1 I	0	0.6 E	0.6 E
SUBTOTAL	**10.0 I**	**10.4 I**	**11.0 I**	**10.2 I**	**13.6 I**	**16.6 I**	**23.0 I**	**22.5 I**	**16.7 I**	**14.9 I**	**10.3 I**	**8.5 I**	**167.7 I**	**123.1 I**
TOTAL BALANCE	**12.6 I**	**13.4 I**	**15.8 I**	**14.0 I**	**19.1 I**	**21.7 I**	**25.9 I**	**25.6 I**	**20.0 I**	**17.0 I**	**12.0 I**	**10.2 I**	**207.3 I**	**174.3 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation.*

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only, the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8, & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 54 of this issue.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber include imports of soft-sided luggage. For those years the poundages were, respectively, 180.5, 228.0 & 157.4 for man-made fiber, and 14.1, 18.7, & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

GRAPH 3:
U.S TEXTILE INDUSTRY MONTHLY TRADE BALANCE — TRADE IN ALL FIBERS & MANUFACTURES

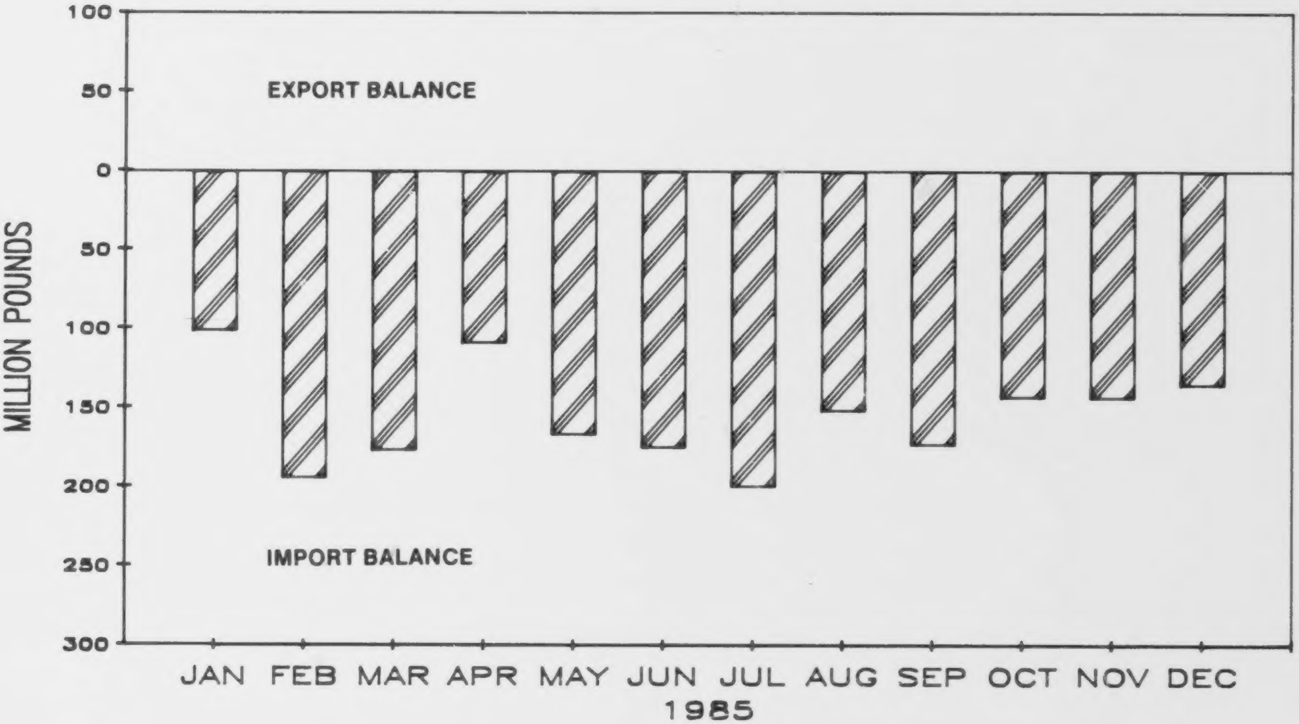


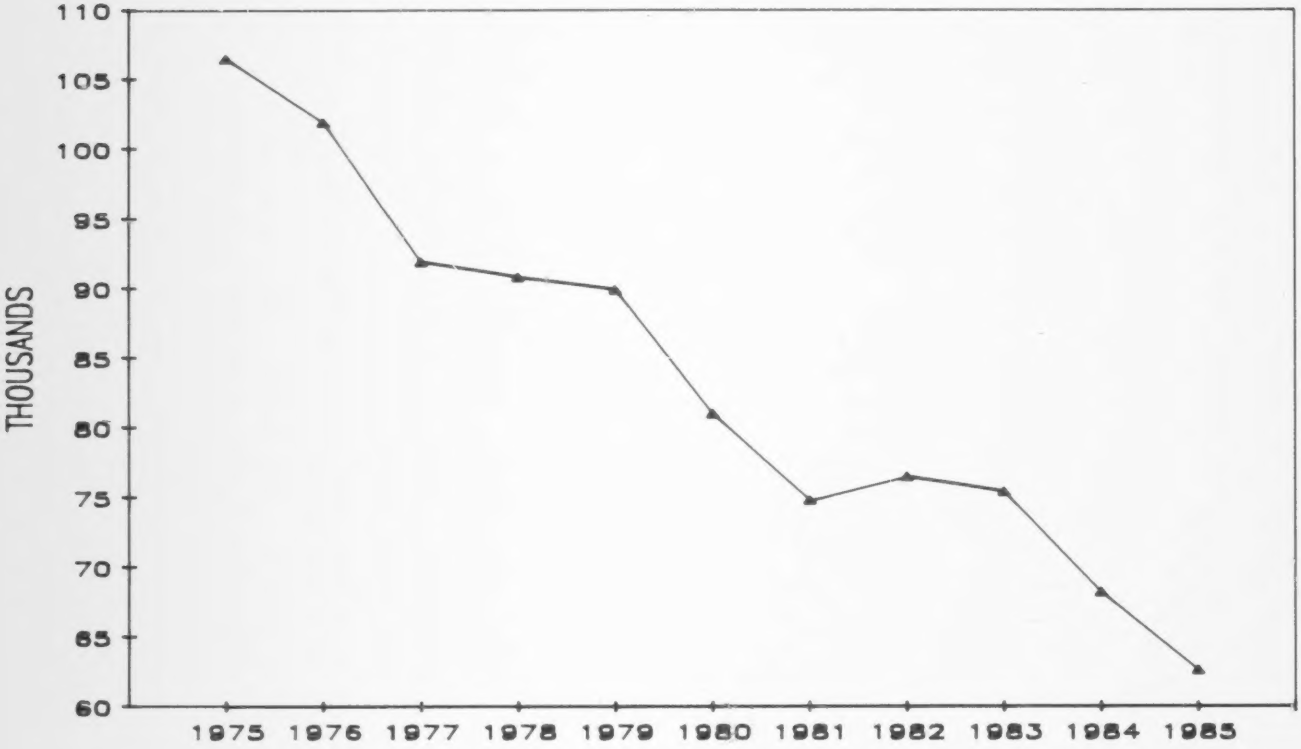
TABLE 5:
U.S. TEXTILE INDUSTRY MONTHLY TRADE BALANCE-TRADE IN ALL FIBERS AND MANUFACTURES

MILLION POUNDS

	MANUFACTURES				MAN-MADE	U.S.
1985	COTTON IMP BALANCE	MMF IMP BALANCE	WOOL IMP BALANCE	TOTAL IMP BALANCE	FIBER EXP BALANCE	INDUSTRY IMP BALANCE
JAN	95.1	59.0	12.6	166.7	64.1	**102.6**
FEB	122.2	87.1	13.4	222.7	27.1	**195.6**
MAR	124.0	73.8	15.8	213.6	35.6	**178.0**
APR	93.8	52.1	14.0	159.9	49.7	**110.2**
MAY	122.8	79.7	19.1	221.6	53.5	**168.1**
JUN	116.8	84.0	21.7	222.5	46.2	**176.3**
JUL	129.9	98.8	25.9	254.6	53.6	**201.0**
AUG	105.3	76.6	25.6	207.5	54.5	**153.0**
SEP	93.4	99.8	20.0	213.2	38.7	**174.5**
OCT	87.8	77.8	17.0	182.6	38.2	**144.4**
NOV	98.4	68.5	12.0	178.9	34.1	**144.8**
DEC	101.4	66.2	10.2	177.8	41.1	**136.7**

NOTE: The sum of the cotton, man-made fiber and wool manufactures net-import balances minus the man-made fiber net-export balance equals the total U.S. net-import textile trade balance.

GRAPH 4:
U.S. MAN—MADE FIBER INDUSTRY EMPLOYMENT[a]



a. Includes wage earners and salaried workers in fiber operations only.

TABLE 6:
U.S. MAN-MADE FIBER INDUSTRY EMPLOYMENT[a]

YEAR	WAGE EARNERS	*% CHANGE*[b]	SALARIED WORKERS	*% CHANGE*[b]	TOTAL	*% CHANGE*[b]
1975	75900	-	30900	-	106500	-
1976	72500	*-4.5*	29400	*-4.8*	101900	*-4.3*
1977	65800	*-9.2*	26100	*-11.2*	91900	*-9.8*
1978	65400	*-0.6*	25400	*-2.7*	90800	*-1.2*
1979	64000	*-2.1*	25900	*+2.0*	89900	*-1.0*
1980	57900	*-9.5*	23100	*-10.8*	81000	*-9.9*
1981	53100	*-8.3*	21700	*-6.1*	74800	*-7.7*
1982	53339	*+0.4*	23172	*+6.8*	76511	*+2.3*
1983	52923	*-0.8*	22495	*-3.0*	75418	*-1.4*
1984	46291	*-12.5*	21893	*-2.7*	68184	*-9.6*
1985	42826	*-7.5*	19732	*-9.9*	62558	*-8.3*

a. Includes wage earners and salaried workers in fiber operations only.
b. Percent change from previous year to current year.

1985: A YEAR IN PERSPECTIVE

In 1985, U.S. mill consumption of man-made fiber fell nearly 1%. This decline in annual consumption compares to cotton mill consumption, up 4.7% and a drop of over 17% in the wool mill consumption (Graph 1).

The reason for the decline in man-made fiber mill consumption was a drop in polyester consumption of over 2% in 1985.

In comparing the total 1985 mill consumption for man-made fiber, cotton & wool, cotton registered an increase in market share over the other fibers. In 1985, the man-made fiber share of the total mill consumption fell to 73.2%, while cotton rose to 25.6% and wool declined by 1.2% (Graph 1).

Exports of man-made fiber, cotton and wool manufacturers fell marginally in 1985 to 690.3 million pounds. However, the balance of trade in these manufacturers continues to deteriorate in 1985, showing a net-import balance of 2,629.9 million pounds, almost 15% above the 1984 net-import balance of 2,288.5 million pounds.

Domestic consumption of man-made fiber, cotton and wool rose 3.8% in 1985 to 13,568.6 million pounds (Graph 2).

In 1985, domestic consumption of man-made fiber totaled 8,934.5 million pounds, an increase of 1.5%; cotton amounted to 4,292.1 million pounds, up 9½%; and wool totaled 342.0 million pounds, a modest gain of 1.3% (Graph 3). Imports of manufactures rose almost 11% to 3,320.2 million pounds, or 24.5% of domestic consumption in 1985. This compares to 23% in 1984, 18% in 1983, 16% in 1982 and 15% in 1981.

TABLE 7:
MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	GLASS[d]	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.1	3.8	0.3	9.2
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.1	4.0	0.2	10.3
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.2	3.9	0.2	11.3
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.2	3.6	0.2	12.0
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.2	3.3	0.1	10.7
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.1	3.1	0.1	10.2
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.1	3.4	0.1	11.0
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.1	3.2	0.1	11.5
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.2	3.0	0.1	11.7
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.2	3.1	0.1	12.0
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.2	3.1	0.1	11.3
1981	0.5	0.2	2.2	3.5	0.5	0.8	0.1	2.7	0.2	10.7
1982	0.3	0.2	1.9	2.9	0.5	0.8	0.1	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.4	0.5	0.9	0.2	2.8	0.2	11.0
1984	0.4	0.2	2.4	3.2	0.5	1.0	0.2	2.7	0.2	10.8
1985	0.5[e]		2.4	3.1	0.5	1.2	NA	2.8	0.1	10.6

NA Means not available.

a. Includes triacetate. Cigarette tow is excluded.

b. Includes aramid for all years but 1983, 1984 & 1985.

c. Includes modacrylic.

d. Includes only glass fibers for Textile End Uses. See page 53 for Total Shipments of Glass Fibers.

e. Rayon and Acetate combined.

TABLE 8:
U.S. MILL CONSUMPTION OF MAN-MADE FIBER[a], COTTON & WOOL

MILLION POUNDS & *PERCENT*

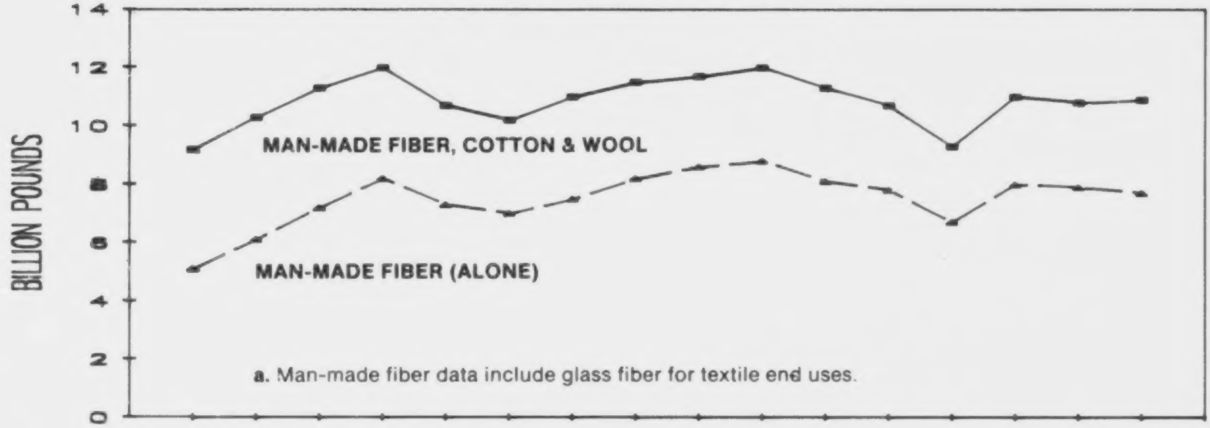
YEAR	MAN-MADE FIBER[a]	%[b]	%[c]	COTTON	%[b]	%[c]	WOOL	%[b]	%[c]	TOTAL	%[b]	%[c]
1970	5240.6	--	*56.4*	3773.6	--	*40.7*	273.3	--	*2.9*	9287.5	--	*100.0*
1971	6204.3	*+18.4*	*59.7*	3965.1	*+5.1*	*38.2*	219.3	*-19.8*	*2.1*	10388.7	*+11.9*	*100.0*
1972	7155.3	*+15.3*	*63.6*	3849.8	*-2.9*	*34.2*	246.9	*+12.6*	*2.2*	11252.0	*+8.3*	*100.0*
1973	8145.5	*+13.8*	*68.0*	3643.3	*-5.4*	*30.5*	182.1	*-26.2*	*1.5*	11970.9	*+6.4*	*100.0*
1974	7221.8	*-11.3*	*67.8*	3306.1	*-9.3*	*31.1*	116.5	*-36.0*	*1.1*	10644.4	*-11.1*	*100.0*
1975	7003.2	*-3.0*	*68.6*	3068.7	*-7.2*	*30.1*	132.0	*+13.3*	*1.3*	10203.9	*-4.1*	*100.0*
1976	7511.9	*+7.3*	*68.0*	3389.0	*+10.4*	*30.7*	145.9	*+10.5*	*1.3*	11046.8	*+8.3*	*100.0*
1977	8237.2	*+9.7*	*71.4*	3169.8	*-6.5*	*27.4*	133.9	*-8.2*	*1.2*	11540.9	*+4.5*	*100.0*
1978	8494.7	*+3.1*	*72.7*	3040.4	*-4.1*	*26.1*	141.6	*+5.8*	*1.2*	11676.7	*+1.2*	*100.0*
1979	8696.9	*+2.4*	*73.1*	3066.4	*+0.9*	*25.8*	134.4	*-5.1*	*1.1*	11897.7	*+1.9*	*100.0*
1980	8063.5	*-7.3*	*71.6*	3064.4	*-0.1*	*27.2*	137.8	*+2.5*	*1.2*	11265.7	*-5.3*	*100.0*
1981	7862.0	*-2.5*	*73.2*	2730.8	*-10.9*	*25.4*	152.7	*+10.8*	*1.4*	10745.5	*-4.6*	*100.0*
1982	6775.2	*-13.8*	*72.2*	2478.9	*-9.2*	*26.4*	129.5	*-15.2*	*1.4*	9383.6	*-12.7*	*100.0*
1983	8164.1	*+20.3*	*73.4*	2795.7	*+12.8*	*25.1*	162.5	*+25.5*	*1.5*	11122.3	*+18.5*	*100.0*
1984	7946.1	*-2.7*	*73.7*	2668.2	*-4.6*	*24.8*	163.2	*+0.4*	*1.5*	10777.5	*-3.1*	*100.0*
1985	8011.1	*+0.8*	*73.2*	2792.9	*+4.7*	*25.6*	134.7	*-17.5*	*1.2*	10938.7	*+1.5*	*100.0*

a. Man-made fiber data include *only* glass fiber for textile end uses, see page 53 for total shipments and total consumption of glass fiber.

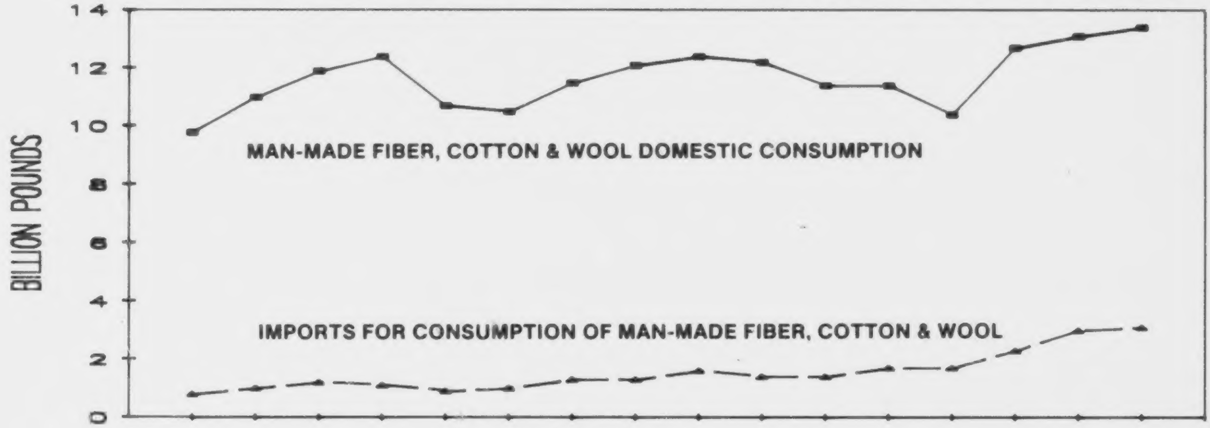
b. Percent change from year to year.

c. Percent change of total fiber consumption.

GRAPH 5:
U.S. MILL CONSUMPTION OF MAN-MADE FIBER[a] COTTON & WOOL



GRAPH 6:
DOMESTIC CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL VS. IMPORTS OF FIBER & MANUFACTURERS



GRAPH 7:
DOMESTIC CONSUMPTION DETAIL:
MAN-MADE FIBER, COTTON & WOOL

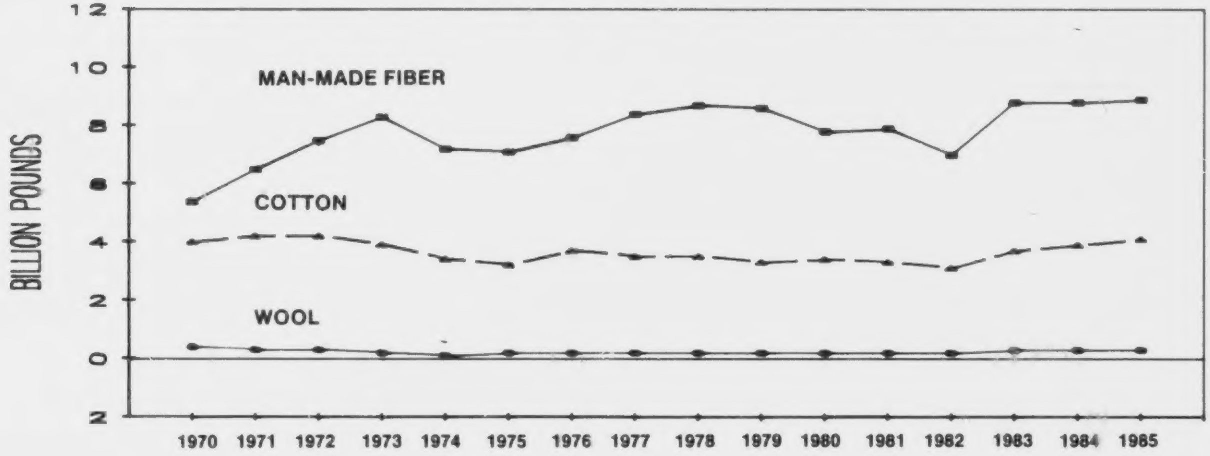


TABLE 9:
MAN-MADE FIBER PRODUCTION

MILLION POUNDS

ANNUALLY
1961-1985

	CELLULOSIC									NONCELLULOSIC FIBER[c-h]			TOTAL TO THE LEFT	TOTAL GLASS FIBER[i]	TOTAL MAN-MADE FIBER
	RAYON YARN[a]			ACET YARN[b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A						
YEAR	INDUS	TEXT	TOTAL			RAYON	ACET[b]	TOTAL		YARN	STAPLE	TOTAL			
1961	251.0	141.7	392.7	249.0	641.7	400.5	53.0	453.5	1095.2	497.2	253.7	750.9	1846.1	149.3	1995.4
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3	2435.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9	2696.7
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5	3078.0
1965	264.6	169.2	433.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3	3589.4
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	332.4	3934.2
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8	4050.2
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7	5226.4
1969	168.6	150.6	319.2	455.2	774.4	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4	5605.5
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3	5426.7
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2	6151.9
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6	7321.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0	8354.4
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9	8105.3
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5	7181.2
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	676.0	8143.5
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7	9002.3
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8687.5	923.3	9610.8
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4	10380.8
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3	9565.8
1981	33.4	15.1	48.5	257.0	305.5	460.6	4.0	464.6	770.1	3814.8	4191.1	8005.9	8776.0	1041.1	9817.1
1982	20.8	12.4	33.2	195.2	228.4	355.0	1.0	356.0	584.4	3057.4	3402.5	6459.9	7044.3	899.2	7943.5
1983	25.0	11.2	36.2	227.6	263.8	374.8	1.4	376.2	640.0	3567.8	3970.6	7538.4	8178.4	1167.2	9345.6
1984	28.8	12.1	40.9	198.2	239.1	389.2	0.4	389.6	628.7	3524.4	3947.3	7471.7	8100.4	1394.0	9494.4
1985	NA	NA	NA	NA	204.6	352.7	0.5	353.2	557.8	3790.2	3773.3	7563.5	8121.3	NA	NA

TABLE 10:
NONCELLULOSIC FIBER PRODUCTION DETAIL

MILLION POUNDS

	YARN+MONOFILAMENTS					STAPLE+TOW+FIBERFILL				
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	OTHER[f]	TOTAL	NYLON[c]	ACRYL[g]	ESTER[e]	OTHER[h]	TOTAL
1961	441.7	18.9	36.6		497.2	34.2	140.1	77.4	2.0	253.7
1962	562.0	24.3	41.1		627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5		712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1		847.6	69.3	287.7	192.4	9.7	559.1
1965	846.1	65.6	86.0		997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5		1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8		1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1		1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2		1766.9	223.2	533.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1		1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2		2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	951.7	11.2	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1319.8	13.2	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1408.0	11.9	3443.0	563.7	631.2	1517.5	68.2	2780.6
1975	1295.4	442.9	1458.9	11.7	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1404.7	13.5	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1592.1	15.5	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1563.7	16.0	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1715.6	18.0	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1462.0	19.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1569.2	22.0	3814.8	751.8	690.8	2606.5	142.0	4191.1
1982	1241.6	585.2	1213.6	17.0	3057.4	685.0	624.1	1955.2	138.2	3402.5
1983	1492.2	716.1	1359.5	NA	3567.8	926.4	670.5	2184.1	189.6	3970.6
1984	1577.3	747.1	1200.0	NA	3524.4	834.8	670.8	2191.8	249.9	3947.3
1985	1514.8	954.5	1320.9	NA	3790.2	827.7	630.8	2020.1	294.7	3773.3

NA No longer available.

a. Includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Includes diacetate and triacetate. The acetate staple+tow data do not include the poundages produced for cigarette filtration purposes.

c. Excludes aramid in 1983 + 1984.

d. Includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

e. Ester means polyester.

f. Other yarn is chiefly saran and spandex in recent years.

g. Includes modacrylic.

h. Other staple+tow includes only olefin and vinyon for recent years. Earlier years' data are on pages 8 & 9 of the January 1962 ORGANON Base Book issue and page 4 of the January-February 1971 issue.

i. Includes both textile and non-textile types of glass.

TABLE 11:
MAN-MADE FIBER DISTRIBUTION

ANNUALLY
1961-1985

CELLULOSIC

MILLION POUNDS

YEAR	YARN+MONOFILAMENTS							STAPLE+TOW							TOTAL GLASS FIBER				
	PRODUCERS' SHIPMENTS					IMPORTS	DOMESTIC CONS	PRODUCERS' SHIPMENTS					IMPORTS	DOMESTIC CONS	PRODUCERS' SHIPMENTS			IMPORTS	DOMESTIC CONS
	TO DOM. CONSUMERS[a,b]			EXPORTS	TOTAL			TO DOM. CONSUMERS			EXPORTS	TOTAL			DOMESTIC	EXPORTS	TOTAL		
	RAYON	ACET	TOTAL					RAYON	ACET[b]	TOTAL									
1961	385.2	240.8	626.0	33.1	659.1	1.8	627.8	411.8	51.4	463.2	2.8	466.0	37.0	500.2	147.2	6.0	153.2	--	147.2
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	3.8	547.4	50.9	594.5	177.5	6.6	184.1	--	177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5	--	182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4	--	220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	268.2	18.7	286.9	--	268.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	426.4	779.9	17.6	797.5	14.6	794.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	404.2	29.9	434.1	0.7	404.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	9.4	569.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	153.1	320.3	473.4	48.8	522.2	9.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	769.3	28.9	798.2	22.0	791.3
1978	63.0	274.6	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	96.5	562.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0
1982	30.1	169.0	199.1	29.8	228.9	7.0	206.1	293.7	1.0	294.7	66.5	361.2	13.4	308.1	861.5	42.9	904.4	14.1	875.6
1983	35.5	197.6	233.1	28.2	261.3	8.7	241.8	333.5	1.4	334.9	43.9	378.8	13.6	348.5	1146.1	37.4	1183.5	20.0	1166.1
1984	38.2	180.1	218.3	18.2	236.5	10.0	228.3	331.9	0.4	332.3	52.1	384.4	17.0	349.3	1250.7	58.0	1308.7	23.1	1273.8
1985	NA	NA	187.1	23.0	210.1	13.9	201.0	323.7	0.5	324.2	35.0	359.2	12.3	336.5	NA	NA	1259.6	34.7	NA

NONCELLULOSIC

YEAR	YARN+MONOFILAMENTS									STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS							IMPORTS	DOMESTIC CONS	PRODUCERS' SHIPMENTS							IMPORTS	DOMESTIC CONS
	TO DOMESTIC CONSUMERS					EXPORTS	TOTAL			TO DOMESTIC CONSUMERS					EXPORTS	TOTAL		
	NYLON[c]	OLEFIN[d]	ESTER[e]	OTH[f]	TOTAL					NYLON[c]	ACRYL[g]	ESTER[e]	OTH[h]	TOTAL				
1961	419.0	17.5	36.1		472.6	25.2	497.8	4.7	477.3	36.0	123.8	70.9	3.0	233.7	22.3	256.0	3.2	236.9
1962	503.1	22.5	38.1		563.7	41.1	604.8	7.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9		648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6		793.7	62.8	856.5	3.7	797.4	68.3	263.2	177.5	8.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2		919.2	46.1	965.3	8.5	927.7	85.1	324.5	290.4	13.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	81.4	13.4	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	116.1	133.0	11.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	226.7	10.5	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1063.4	188.6	353.6	10.9	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	433.0	10.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	636.8	10.1	2100.1	78.5	2178.6	234.4	2334.5	330.1	463.7	1111.4	58.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.6	312.4	935.4	11.4	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1544.7	395.4	1320.5	13.1	3273.7	127.4	3401.1	140.1	3413.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1295.2	12.0	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1477.0	12.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1373.9	12.0	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1510.6	15.0	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	270.0	3643.1	52.9	3426.0
1978	1539.1	579.7	1507.6	15.5	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1525.1	17.0	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2134.4	119.3	3713.5	593.2	4306.7	39.3	3752.8
1980	1538.9	611.7	1363.4	18.0	3532.0	301.8	3833.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1430.0	20.5	3483.1	282.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	60.5	3388.4
1982	1165.6	577.0	1134.8	16.5	2893.9	220.2	3114.1	23.8	2917.7	673.3	457.9	1767.5	138.9	3037.6	369.9	3407.5	51.2	3088.8
1983	1392.4	698.6	1294.4	NA	3385.4	187.3	3572.7	48.3	3433.7	897.1	492.2	2099.2	183.4	3671.9	281.5	3953.4	101.4	3773.3
1984	1438.1	725.6	1144.9	NA	3308.6	189.0	3497.6	90.0	3398.6	814.4	446.7	1992.2	240.9	3494.2	442.4	3936.6	131.1	3625.3
1985	1417.4	937.6	1204.2	NA	3559.2	240.2	3799.4	104.6	3663.8	830.3	458.7	1872.7	279.7	3441.4	372.8	3814.2	159.4	3600.8

NA means no longer available.

Domestic consumption (CONS) means the sum of producers' domestic shipments and imports for consumption.

Imports for consumption (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips; staple+tow includes grouped filaments. Not included here are plied, spun & handwork yarns, sewing thread, sliver, tops & roving and waste.

a-i. See these lettered footnotes on the opposite page.

Noncellulosic data from 1940 are on page 5 of the January-February 1971 issue. Rayon+acetate data from 1911 are on page 9 of the January 1962 ORGANON Base Book.

TABLE 12:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS[c]

MILLION POUNDS & *Percent*

	MAN-MADE FIBER MILL CONSUMPTION = PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																						GLASS FIBER	TOTAL GLASS FIBER (Non-Add)
	CELLULOSIC FIBER											NONCELLULOSIC FIBER												
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE					TEXTILE END USES[b]	
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
1970	695.9	3.7	699.6	634.2	80.6	714.8	34.5	0.1	22.9	11.7	1426.1	1682.6	120.8	1803.4	1682.1	57.7	1739.8	136.3	21.7	31.3	126.7	3669.9	144.6	404.9
1971	729.3	5.2	734.5	669.8	81.3	751.1	36.3	--	15.9	20.4	1506.0	2100.1	234.4	2334.5	1964.1	93.3	2057.4	157.8	36.2	29.4	164.6	4556.5	141.8	466.7
1972	632.8	10.8	643.6	716.4	51.3	769.7	38.5	--	23.6	14.9	1428.2	2689.8	224.5	2914.3	2363.1	103.7	2466.8	202.7	48.0	63.5	187.2	5568.3	158.8	569.2
1973	589.9	18.1	608.0	734.5	47.4	781.9	36.8	--	37.5	-0.7	1389.2	3273.7	140.1	3413.8	2848.4	112.8	2961.2	274.8	47.8	98.6	224.0	6599.0	157.3	676.0
1974	473.4	9.2	482.6	589.2	38.7	627.9	29.9	0.2	33.0	-2.9	1107.6	3142.3	92.1	3234.4	2450.5	73.2	2523.7	246.4	46.3	91.2	201.5	5959.6	154.6	630.8
1975	368.6	9.2	377.8	385.4	37.9	423.3	13.2	0.1	12.4	0.9	802.0	3214.8	53.8	3268.6	2553.5	55.2	2608.7	228.7	25.0	50.0	203.7	6081.0	120.2	533.5
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3	3147.2	64.0	3211.2	3018.5	67.3	3065.8	262.3	30.5	70.2	222.6	6519.6	137.0	677.6
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0	141.0	791.3
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3	153.7	886.7
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4	173.5	922.6
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0	177.8	874.4
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2	140.5	982.0
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.2	3088.8	173.2	37.8	86.1	124.9	6131.4	121.7	875.6
1983	233.1	8.7	241.8	334.9	13.6	348.5	9.4	0.3	1.4	8.3	598.6	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9	169.6	1166.1
1984	218.3	10.0	228.3	332.3	17.0	349.3	11.4	0.5	1.6	10.3	587.9	3308.6	90.0	3398.6	3494.2	131.1	3625.3	216.9	50.5	89.7	177.7	7201.6	156.6	1273.8
1985	187.1	13.9	201.0	324.2	12.3	336.5	8.8	0.5	1.2	8.1	545.6	3559.2	104.6	3663.8	3441.4	159.4	3600.8	235.8	40.7	75.6	200.9	7465.5	NA	NA

	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 3 FIBERS (CONS) + MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MAN-MADE FIBER[a]		COTTON		WOOL		SILK		TOTAL		MAN-MADE FIBER			COTTON			WOOL			TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	%	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(24)		(25)		(26)		(27)		(28)		(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1970	5240.6	*56.5*	3773.6	*40.6*	273.3	*2.9*	1.8	--	9289.3	*100*	329.3	147.1	5422.8	463.1	199.2	4037.5	85.9	4.9	354.3	878.3	351.2	9814.6
1971	6204.3	*59.7*	3965.1	*38.2*	219.3	*2.1*	1.7	--	10390.4	*100*	451.1	146.7	6508.7	492.6	226.4	4231.3	66.2	9.4	276.1	1009.9	382.5	11016.1
1972	7155.3	*63.6*	3849.8	*34.2*	246.9	*2.2*	2.1	--	11254.1	*100*	480.5	177.6	7458.2	610.7	290.4	4170.1	63.0	30.6	279.3	1154.2	498.6	11907.6
1973	8145.5	*68.0*	3643.3	*30.4*	182.1	*1.6*	3.3	--	11974.2	*100*	465.3	288.2	8322.6	563.5	325.2	3881.6	61.3	30.8	212.6	1090.1	644.2	12416.8
1974	7221.8	*67.8*	3306.1	*31.1*	116.5	*1.1*	2.6	--	10647.0	*100*	371.3	390.7	7202.4	502.7	392.5	3416.3	53.3	23.0	146.8	927.3	806.2	10765.5
1975	7003.2	*68.6*	3068.7	*30.1*	132.0	*1.3*	1.0	--	10204.9	*100*	400.4	322.4	7081.2	501.3	353.7	3216.3	48.6	19.2	161.4	950.3	695.3	10458.9
1976	7511.9	*68.0*	3359.0	*30.7*	145.9	*1.3*	2.8	--	11049.6	*100*	479.5	352.2	7639.2	708.6	413.2	3684.4	66.7	13.9	198.7	1254.8	779.3	11522.3
1977	8237.2	*71.4*	3169.8	*27.5*	133.9	*1.1*	1.6	--	11542.5	*100*	530.7	367.6	8400.3	669.4	369.5	3469.7	85.9	11.5	208.3	1286.0	748.6	12078.3
1978	8494.7	*72.8*	3040.4	*26.0*	141.6	*1.2*	2.0	--	11678.7	*100*	642.6	441.7	8695.6	845.4	355.7	3530.1	92.2	11.6	222.2	1580.2	809.0	12447.9
1979	8696.9	*73.1*	3066.4	*25.8*	134.4	*1.1*	1.5	--	11899.2	*100*	525.0	596.6	8625.3	746.1	478.0	3334.5	80.6	14.0	201.0	1351.7	1088.6	12160.8
1980	8063.5	*71.6*	3064.4	*27.2*	137.8	*1.2*	+	--	11265.7	*100*	540.6	771.5	7832.6	810.9	523.1	3352.2	85.1	23.8	199.1	1436.6	1318.4	11383.9
1981	7862.0	*73.2*	2730.8	*25.4*	152.7	*1.4*	2.0	--	10747.5	*100*	639.1	637.7	7863.4	961.9	367.3	3325.4	93.1	11.8	234.0	1694.1	1016.8	11422.8
1982	6775.2	*72.2*	2478.9	*26.4*	129.5	*1.4*	2.0	--	9385.6	*100*	697.9	438.5	7034.6	897.2	253.4	3122.7	100.1	10.8	218.8	1695.2	702.7	10376.1
1983	8164.1	*73.4*	2795.7	*25.1*	162.5	*1.5*	2.0	--	11124.3	*100*	1069.4	460.7	8772.8	1135.4	219.6	3711.5	131.1	18.9	274.7	2335.9	699.2	12759.0
1984	7946.1	*73.7*	2668.2	*24.8*	163.2	*1.5*	3.0	--	10780.5	*100*	1342.0	488.0	8800.1	1464.8	204.6	3928.4	189.4	15.1	337.5	2996.2	707.7	13066.0
1985	8011.1	*73.2*	2792.9	*25.6*	134.7	*1.2*	3.0	--	10941.7	*100*	1383.7	460.3	8934.5	1501.6	210.7	4083.8	226.6	19.3	342.0	3111.9	690.3	13360.3

NA No longer available.

a. Data include textile glass fiber as shown in Column 23 in the upper section. For detail on producers' shipments and imports of glass fiber, see page 53 of this issue.

b. Poundages include textile applications only for glass fiber used as yarn for weaving, tire cord and selected reinforced plastics. Other types of glass fiber (such as roving and mat applications) are included with the textile applications in the "non-add" column to the right.

c 1985 - Excluding Textile Glass Fiber

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( )

All Census import and export commodity numbers are as of January 1978.

1, 4, 12, 15 & 23 - This issue, page 53.
7 & 18 - This issue, page 56.
2 - Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230, .0510 & .0610.
5 - Import Classes 309.3010, .3110, .4320 & .4325.
8 - Import Classes 309.6500, .6615, & .7510.
9 - Export Class 309.7400.
13 - Import Classes 309.0200, .0330, .0340, .0365, .0500, .0630, .0640, .0665, .2100, .2500, 310.0109, .0110, .0114, .0149, .0150, .0170, .0209, .0210, .0214, .0249, .0250, .0270, .0530, .0630 & 0650.
16 - Import Classes 309.3030, .3040, .3050, .3065, .3130, .3140, .3150, .3165, .3200, .3340, .3350, .3365, .4338, .4342, .4345, .4346 & .4355.
19 - Import Classes 309.6000, .6625, .6630, .6645, .6660, .7000, & .7525-.7555.
20 - Export Classes 309.7620, .7630, .7640 & .7660.
25 - *U.S. Census Bureau Report M22P.*
26 - *U.S. Census Bureau Report M22D.*
27 - Import Classes 308.0200-.2000.
29, 30, 32, 33, 35 & 36 - *Cotton and Wool Outlook & Situation* (U.S. Department of Agriculture).

CERTAIN TOTALS IN THE TABLES

(Obvious totals such as Columns 1+2=3, 4+5=6, etc., are not described here.)
10 - Columns 7+8-9
21 - Columns 18+19-20
24 - Columns 11+22+23
31 - Columns 24+29-30
34 - Columns 25+32-33
37 - Columns 26+35-36
1985 ONLY - 24 - Columns 11+22

TABLE 13:
RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	MAN-MADE FIBER							COTTON							WOOL						
	ANNUAL AVERAGE							ANNUAL AVERAGE							ANNUAL AVERAGE						
	1971-1975	1976-1980	1981	1982	1983	1984	1985	1971-1975	1976-1980	1981	1982	1983	1984	1985	1971-1975	1976-1980	1981	1982	1983	1984	1985
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	23.1	37.3	34.9	38.2	58.0	71.0	64.7	24.5	20.5	24.1	28.5	42.1	54.6	56.3	6.5	5.4	5.0	7.7	7.6	16.3	14.1
CLOTH[b]	101.9	88.9	106.2	105.7	138.0	170.4	153.2	277.4	273.0	350.3	266.5	346.3	450.8	421.2	10.1	19.9	27.8	25.6	28.1	39.0	36.4
SUBTOTAL	**125.0**	**126.2**	**141.1**	**143.9**	**196.0**	**241.4**	**217.9**	**301.9**	**293.5**	**374.4**	**295.0**	**388.4**	**505.4**	**477.5**	**16.6**	**25.3**	**32.8**	**33.3**	**35.7**	**55.3**	**50.5**
MANUFACTURED PRODUCTS																					
WEARING APPAREL[c]	273.6	374.9	437.1	486.5	576.0	688.9	790.1	175.9	392.4	504.0	510.5	622.8	759.5	783.4	27.3	40.6	40.9	46.4	58.8	80.8	114.7
INDUSTRIAL[d]	7.3	0.6	0.3	1.1	1.3	0.4	0.9	7.7	6.8	8.8	10.0	14.3	37.6	32.4	*NOMINAL POUNDAGES INCLUDED IN OTHER*						
HOME FURNISHINGS[e]	28.1	41.9	60.6	66.5	296.1	411.3	374.8	34.2	45.1	59.5	67.0	78.0	138.9	169.7	12.3	15.2	18.5	19.6	34.8	52.1	60.8
ALL OTHER[f]								14.1	18.4	15.2	14.7	31.9	23.4	38.6	2.2	1.1	0.9	0.8	2.6	1.2	0.6
SUBTOTAL	**309.0**	**417.4**	**498.0**	**554.1**	**873.4**	**1100.6**	**1165.8**	**231.9**	**462.7**	**587.5**	**602.2**	**747.0**	**959.4**	**1024.1**	**41.8**	**56.9**	**60.3**	**66.8**	**96.2**	**134.1**	**176.1**
TOTAL IMPORTS	**434.0**	**543.6**	**639.1**	**698.0**	**1069.4**	**1342.0**	**1383.7**	**533.8**	**756.2**	**961.9**	**897.2**	**1135.4**	**1464.8**	**1501.6**	**58.4**	**82.2**	**93.1**	**100.1**	**131.9**	**189.4**	**226.6**
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	26.5	44.6	62.2	40.2	35.3	38.5	50.9	20.6	29.7	38.1	30.1	31.2	20.0	25.8	16.1	4.1	3.6	4.9	4.0	2.7	9.3
CLOTH[g]	129.4	212.5	256.4	174.8	148.6	152.6	158.6	190.7	223.9	127.7	84.8	59.4	64.5	82.2	0.9	1.2	1.9	1.4	1.1	1.4	1.6
SUBTOTAL	**155.9**	**257.1**	**318.6**	**215.0**	**183.9**	**191.1**	**209.5**	**211.3**	**253.6**	**165.8**	**114.9**	**90.6**	**84.5**	**108.0**	**17.0**	**5.3**	**5.5**	**6.3**	**5.1**	**4.1**	**10.9**
MANUFACTURED PRODUCTS																					
WEARING APPAREL	23.2	62.2	120.7	75.2	70.8	79.4	65.2	35.4	90.6	123.0	80.0	72.1	68.2	55.4	2.0	6.2	4.0	2.9	3.0	2.7	3.9
INDUSTRIAL[d]	13.1	65.5	48.1	27.8	23.2	31.3	30.2	18.8	23.7	17.5	14.3	11.6	14.4	16.5	*NOMINAL POUNDAGES INCLUDED IN OTHER*						
HOME FURNISHINGS[h]	30.7	65.9	84.2	65.9	10.7	102.9	81.9	27.0	39.1	38.7	28.3	31.6	36.9	30.4	2.0	1.4	0.3	0.2	9.3	6.5	3.3
ALL OTHER[i]	40.4	55.3	66.1	54.6	172.1	83.3	73.5	25.1	20.8	22.3	15.9	13.7	0.6	0.4	1.6	2.0	2.0	1.4	1.5	1.8	1.2
SUBTOTAL	**107.4**	**248.9**	**319.1**	**223.5**	**276.8**	**296.9**	**250.8**	**106.3**	**174.2**	**201.5**	**138.5**	**129.0**	**120.1**	**102.7**	**5.6**	**9.6**	**6.3**	**4.5**	**13.8**	**11.0**	**8.4**
TOTAL EXPORTS	**263.3**	**506.0**	**637.7**	**438.5**	**460.7**	**488.0**	**460.3**	**317.6**	**427.8**	**367.3**	**253.4**	**219.6**	**204.6**	**210.7**	**22.6**	**14.9**	**11.8**	**10.8**	**18.9**	**15.1**	**19.3**
NET EXPORTS (+) OR NET IMPORTS (-)	**-170.7**	**-37.6**	**-1.4**	**-259.5**	**-608.7**	**-854.0**	**-923.4**	**-216.2**	**-328.4**	**-594.6**	**-643.8**	**-915.8**	**-1260.2**	**-1290.9**	**-35.8**	**-67.3**	**-81.3**	**-89.3**	**-113.0**	**-174.3**	**-207.3**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation.*

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8, & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 54 of this issue.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984, & 1985, cotton and man-made fiber include imports of soft-sided luggage For those years the poundages were, respectively, 180.5, 228.0, 157.4 for man-made fiber, and 14.1, 18.7, & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 14:
FILAMENT YARN DOMESTIC SHIPMENTS BY DENIER

MILLION POUNDS

ACETATE

DENIER	1979	1980	1981	1982	1983	1984	1985
55 (62 & FINER)	68.0	66.1	45.3	37.3	36.2	28.5	
75 (63-87)	63.8	67.5	62.3	39.1	45.6	41.0	
100 (88-112)	26.5	31.4	26.6	19.3	19.9	14.6	
150 (113-162)	108.9	87.6	77.5	62.5	83.9	84.5	
200 (163-237)	3.4	2.6	1.5	0.7	0.7	0.6	
300 (238-374)	9.7	7.3	7.3	6.4	8.0	7.9	
450 (375 & COARSER)	8.1	6.7	5.8	3.7	3.3	3.0	
TOTAL DOMESTIC SHIPMENTS	**288.4**	**269.2**	**226.3**	**169.0**	**197.6**	**180.1**	**NA**
Average Denier[a]	*92*	*88*	*91*	*92*	*96*	*99*	

POLYESTER TEXTILE

DENIER	1979	1980	1981	1982	1983	1984	1985
55 & FINER	30.1	37.3	48.6	28.6	36.6	31.9	25.2
70 (56-89)	215.0	191.3	147.9	141.0	162.1	130.5	119.7
100 (90-109)	63.4	32.6	41.4	56.4	51.2	77.5	88.4
120 (110-129)	4.8	2.8	68.9	41.7	21.1	11.6	16.3
135 (130-144)	18.6	10.1					
150 (145-179)	765.2	738.6	745.1	519.3	641.1	524.3	600.4
180 & COARSER	66.8	65.3	68.9	61.0	70.9	46.9	61.7
TOTAL DOMESTIC SHIPMENTS	**1163.9**	**1078.0**	**1120.8**	**848.0**	**983.0**	**822.7**	**911.7**
Average Denier[a]	*116*	*118*	*121*	*115*	*115*	*116*	*121*

NYLON TEXTILE

DENIER	1979	1980	1981	1982	1983	1984	1985
MONOFILS & FEWOFILS[b]	31.7	29.1	23.5	25.4	27.5	21.0	22.2
FILAMENT YARN							
34 & FINER	38.0	35.9	39.8	30.3	36.8	38.5	34.4
40 (35-59)	177.5	155.4	142.8	117.8	152.7	135.3	138.8
70 (60-89)	112.4	109.0	85.7	63.9	75.5	73.7	54.5
100 (90-109)	43.7	42.7	43.4	37.4	29.4	29.1	29.3
140 (110-179)	21.2	21.1	26.2	18.5	16.1	11.4	12.2
200 (180-204)	18.6	18.2	19.7	16.1	18.0	21.3	14.0
205 & COARSER	18.1	15.2	17.5	12.2	13.8	13.0	13.3
TOTAL DOMESTIC SHIPMENTS	**461.2**	**426.6**	**398.6**	**321.6**	**369.8**	**343.3**	**318.7**
Average Denier[a]	*45*	*46*	*47*	*38*	*43*	*54*	*43*

NYLON CARPET

DENIER	1979	1980	1981	1982	1983	1984	1985
1199 & FINER	479.2	460.6	138.4	138.0	212.1	275.3	294.7
1200-1499			331.7	300.9	385.4	354.5	356.4
1800 (1500-1900)	131.2	149.4	88.9	65.3	83.9	85.5	89.9
2600 (1901-2700)	100.7	84.8	55.5	40.0	44.4	43.2	58.3
2701 & COARSER	21.4	19.7	19.1	15.3	8.8	11.7	16.1
TOTAL DOMESTIC SHIPMENTS	**732.5**	**714.5**	**633.6**	**559.5**	**734.6**	**770.2**	**815.4**
Average Denier[a]	*1506*	*1503*	*1448*	*1423*	*1398*	*1396*	*1412*

NA - Means no longer available.

a. Average Denier calculated by harmonic mean method.

b. Monofilaments up to 40 denier. Fewofils are multifilament yarns with 4 or fewer filaments in the bundle.

TABLE 15:
PRODUCERS' WASTE SHIPMENTS

MILLION POUNDS

YEAR	RAYON	NONCELLULOSIC	YEAR	RAYON	NONCELLULOSIC
1961	32.8	32.3	**1973**	36.8	274.8
1962	34.5	37.7	**1974**	29.9	246.4
1963	40.2	42.0	**1975**	13.2	228.7
1964	49.0	45.9	**1976**	14.7	262.3
1965	51.5	55.2	**1977**	18.5	291.0
1966	44.6	66.5	**1978**	15.7	263.9
1967	36.1	92.8	**1979**	17.2	238.6
1968	44.3	122.3	**1980**	13.5	170.2
1969	39.4	140.3	**1981**	15.3	174.2
1970	34.5	136.3	**1982**	10.7	173.2
1971	36.3	157.8	**1983**	9.4	214.1
1972	38.5	202.7	**1984**	11.4	216.9
			1985	8.8	235.8

TABLE 16:
RAW COTTON CONSUMPTION

BALES

MONTH	1977	1978	1979	1980	1981	1982	1983	1984	1985
JANUARY	509	493	603	604	435	378	404	469	389
FEBRUARY	528	501	472	506	446	398	430	447	405
MARCH	654	620	506	513	539	492	549	547	504
APRIL	507	484	584	622	433	409	431	430	406
MAY	507	484	484	496	441	392	441	442	426
JUNE	616	575	489	478	531	460	543	501	521
JULY	395	383	503	487	385	317	369	354	366
AUGUST	494	459	472	442	429	386	453	415	458
SEPTEMBER	606	569	482	456	517	474	560	494	562
OCTOBER	835	482	630	597	448	416	459	415	493
NOVEMBER	504	595	482	458	403	390	446	382	477
DECEMBER	562	435	436	475	400	425	468	408	480
TOTAL	**6717**	**6080**	**6143**	**6134**	**5407**	**4937**	**5553**	**5304**	**5487**

TABLE 17:
RAW SILK DELIVERIES

BALES

MONTH	1977	1978	1979	1980	1981	1982	1983	1984	1985
JANUARY	352	321	501	312	471	450	280	715	462
FEBRUARY	239	394	302	644	380	489	506	537	689
MARCH	242	424	687	422	471	662	390	455	344
APRIL	212	382	353	507	446	398	462	315	480
MAY	254	397	471	366	322	234	717	636	415
JUNE	259	299	418	285	529	369	377	655	NA
JULY	322	316	407	257	300	495	264	229	NA
AUGUST	311	341	756	332	259	403	474	672	NA
SEPTEMBER	370	401	492	342	348	364	534	532	NA
OCTOBER	424	280	490	365	414	226	529	562	NA
NOVEMBER	322	468	368	265	487	514	587	391	NA
DECEMBER	433	214	518	323	611	317	324	538	NA
TOTAL	**3740**	**4237**	**5763**	**4420**	**5038**	**4921**	**5444**	**6237**	**NA**

NA Means not available.

TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE DECLINES

The U.S. man-made fiber balance of trade leveled off in January, as the net-export balance of trade fell to 34.9 million pounds, down almost 15% from the 41.1 million pound export balance in December. Rising imports and exports of man-made fiber resulted in the declining trade balance. Imports of fiber amounted to 30.6 million pounds, up 32.5% from the 23.1 million pounds imported in December. Exports of fiber in January totaled 65.6 million pounds, an increase of almost 2% from the 64.2 million pounds exported in December.

The January trade balance is almost 46% below that of January 1984. This month's imports are 28.6% above the level of last January, while exports are down almost 26% during the same period.

JANUARY DETAIL

The net-export balance in January in **Noncellulosic Yarn+Monofilaments** remained unchanged from last month and stood at 20.5 million pounds.

The **Noncellulosic Staple+Tow** balance of trade fell almost 38% to 9.1 million pounds in January, as imports dropped by 63% and exports declined by 54%.

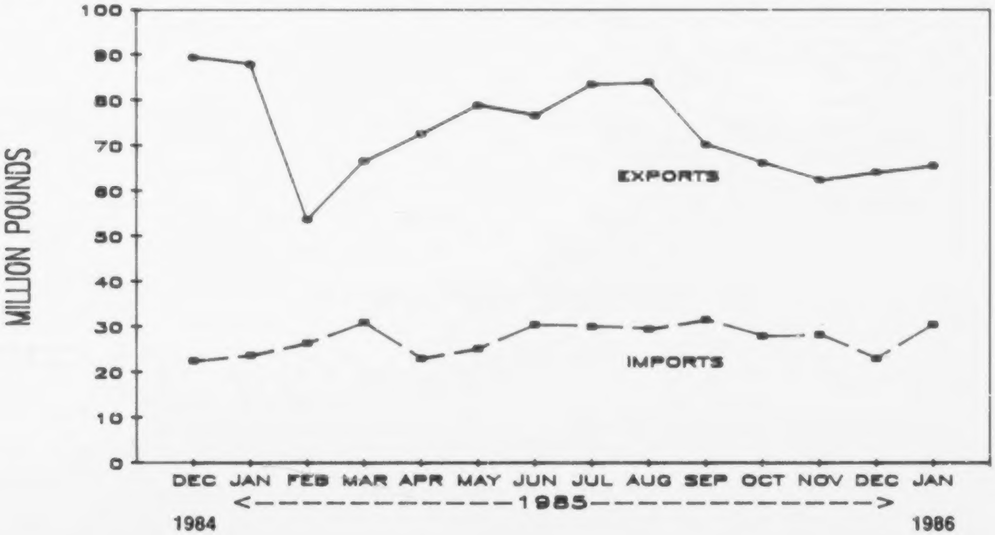
The balance of trade for **Cellulosic Staple** declined by 10% in January to 0.9 million pounds.

The **Cellulosic Yarn+Monofilaments** balance of trade grew by 200% as imports rose by 24% and exports fell by 38%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ORGANON.

GRAPH 8:
IMPORTS VS EXPORTS OF MAN—MADE FIBER



GRAPH 9:
MAN—MADE FIBER MONTHLY TRADE BALANCE

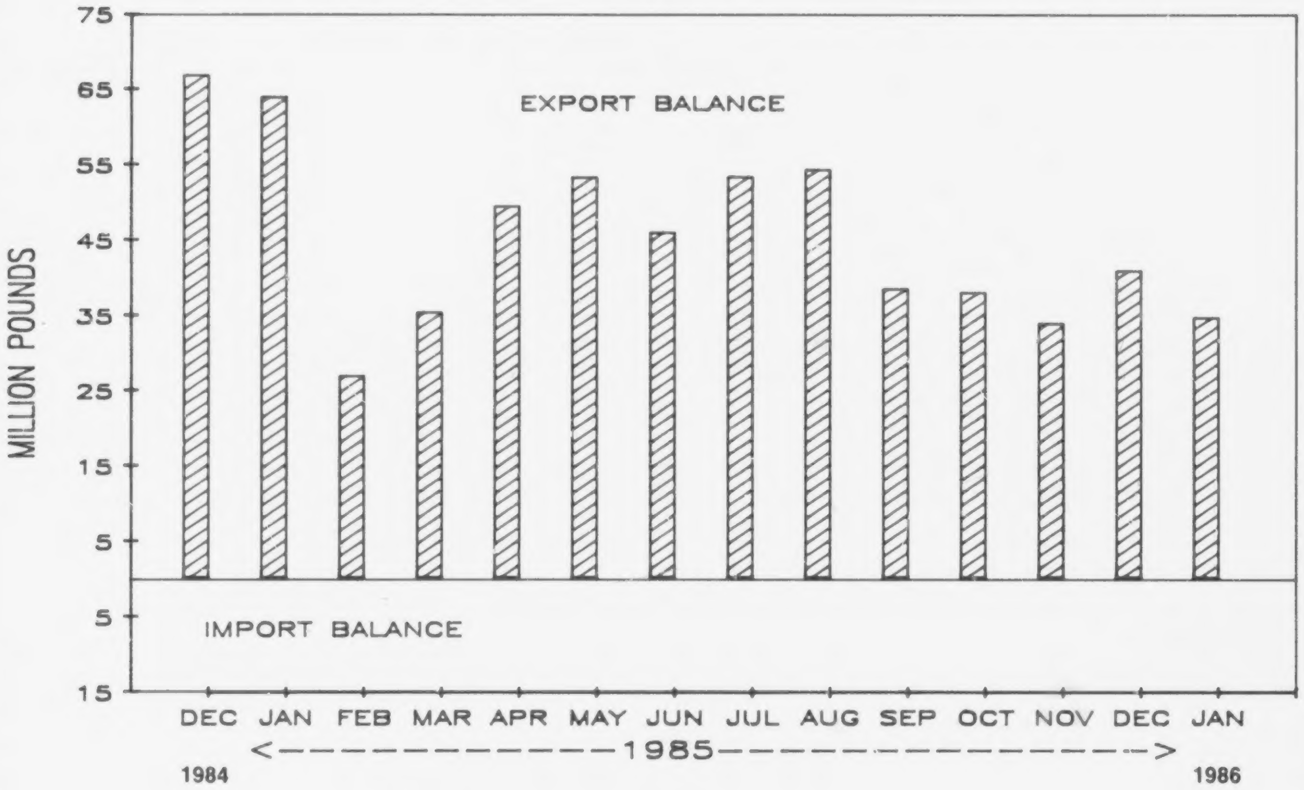


TABLE 18:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985												1986
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
CELLULOSIC YARN+MONOFILAMENTS	0.3 I	0.4 E	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I
CELLULOSIC STAPLE+TOW	1.7 E	0.8 E	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.9 E
NONCELLULOSIC YARN+MONOFILAMENTS	14.5 E	12.2 E	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E
NONCELLULOSIC STAPLE+TOW	45.0 E	16.6 E	23.4 E	24.8 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E
CELLULOSIC WASTE	+	+	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E	+	+	+	0.1 E
NONCELLULOSIC WASTE	3.2 E	2.9 I	0.7 I	2.2 E	2.1 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E
TOTAL	**64.1 E**	**27.1 E**	**35.6 E**	**49.7 E**	**53.5 E**	**46.2 E**	**53.6 E**	**54.5 E**	**38.7 E**	**38.2 E**	**34.1 E**	**41.1 E**	**34.9 E**

I means net-import balance.
E means net-export balance.

TABLE 19:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1986												YEAR TO DATE	
ITEM & COUNTRY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1986	1985
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82												82	70
CANADA	200												200	120
GERMANY, FED. REP. OF	482												482	686
JAPAN	95												95	96
MEXICO	81												81	33
NETHERLANDS	195												195	77
REP. OF KOREA	80												80	0
ALL OTHER COUNTRIES[a]	160												160	28
TOTAL CELL. YARN	**1375**												**1375**	**1110**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259												259	62
CANADA	777												777	788
JAPAN	107												107	20
MEXICO	310												310	0
UNITED KINGDOM	29												29	162
ALL OTHER COUNTRIES[b]	11												11	349
TOTAL CELL. STAPLE+TOW	**1493**												**1493**	**1381**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0												0	1
AUSTRIA	113												113	83
BELGIUM	1152												1152	205
BRAZIL	1												1	0
CANADA	1282												1282	962
COSTA RICA	480												480	0
FRANCE	405												405	682
GERMANY, FED. REP. OF	1195												1195	1676
ISRAEL	413												413	78
ITALY	790												790	1528
JAPAN	646												646	584
MEXICO	128												128	624
NETHERLANDS	74												74	93
SOUTH AFRICA	853												853	286
SWITZERLAND	74												74	35
TAIWAN	36												36	9
UNITED KINGDOM	573												573	591
YUGOSLAVIA	85												85	167
ALL OTHER COUNTRIES[c]	47												47	166
TOTAL N.C. YARN	**8347**												**8347**	**7770**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25												25	127
BRAZIL	35												35	278
CANADA	2650												2650	1640
COSTA RICA	31												31	86
FRANCE	996												996	920
GERMANY, FED. REP. OF	3105												3105	1656
ISRAEL	42												42	0
ITALY	1237												1237	527
JAPAN	1919												1919	1154
MEXICO	1025												1025	1111
NETHERLANDS	20												20	74
REP. OF KOREA	492												492	37
ROMANIA	210												210	83
SOUTH AFRICA	80												80	49
SWITZERLAND	137												137	18
TAIWAN	2105												2105	1301
UNITED KINGDOM	1819												1819	740
ALL OTHER COUNTRIES[d]	116												116	43
TOTAL N.C. STAPLE+TOW	**16044**												**16044**	**9844**

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

[a] Belgium 81, China, PRC 2, France 15, Ireland 34, Yugoslavia 28

[b] Fed. Rep. of Germany 4, Hong Kong 6, Sweden 1.

[c] Singapore 15, Spain +, Sweden 32.

[d] Australia 31, Ireland 81, Yugoslavia 4.

TABLE 20:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1986	YEAR TO DATE 1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28												28	0
OTHER	310.0130 & .0230[a]	1309												1309	1105
MONOFILAMENTS	309.0310 & .0610	0												0	0
STRIPS, $1/LB & UNDER	309.2000*	38												38	5
SUBTOTAL ABOVE		**1375**												**1375**	**1110**
STAPLE	309.4320 & .4325	1465												1465	1319
GROUPED FILAMENTS	309.3010 & .3110	28												28	62
SUBTOTAL ABOVE		**1493**												**1493**	**1381**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	+												**0**	**96**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0107 & .0207[b]	1959												1959	2115
- POLYESTER	310.0110 & .0210	748												748	654
- OTHER	310.0114 & .0214	1640												1640	1157
OTHER - NYLON	310.0149 & .0249	1236												1236	2037
- POLYESTER	310.0150 & .0250	1898												1898	1336
- OTHER	310.0170 & .0270[c]	483												483	179
MONOFILAMENTS	309.0200 & .0330[d]	275												275	240
STRIPS, OVER $1/LB	309.2100 & .2500*	106												106	52
SUBTOTAL ABOVE		**8347**												**8347**	**7770**
STAPLE - NYLON	309.4338	3716												3716	2329
- POLYESTER	309.4342	2725												2725	1623
- ACRYLIC	309.4345	1473												1473	1392
- OLEFIN	309.4346	623												623	38
- OTHER	309.4355	2666												2666	1838
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381												3381	1742
POLYESTER	309.3040 & .3340	147												147	372
ACRYLIC	309.3050 & .3350	972												972	440
OTHER	309.3065 & .3365	341												341	70
SUBTOTAL ABOVE		**16044**												**16044**	**9844**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605												1605	3094
- POLYESTER	309.6630	560												560	445
- ACRYLIC	309.6645	0												0	+
- OTHER	309.6660	892												892	12
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+												+	0
OTHER WASTE, ADVANCED	309.7525 - .7555	324												324	44
SUBTOTAL ABOVE		**3381**												**3381**	**3595**
TOTAL MAN-MADE ABOVE		**30640**												**30640**	**23796**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0												0	0
- NONCELLULOSIC	310.1015* & .1109[f]	1309												1309	1106
OTHER - CELLULOSIC	310.1030 & .1135[g]	2												2	48
- NONCELLULOSIC	310.1050 & .1070[h]	33												33	346
SPUN YARN - CELLULOSIC	310.4005 & .4030[i]	227												227	83
- OTHER	310.4015 & .4027[j]	2619												2619	2643
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225												225	662
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[k]	284												284	451
SLIVER, TOPS & ROVING	309.9000	282												282	205
TEXTILE GLASS FIBER	309.2800 & .2900[l]	2142												2142	2454
GRAND TOTAL ABOVE		**37763**												**37763**	**31814**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0108 & .0208.

c. Also includes 310.0530, .0550, .0630 & .0650.

d. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

e. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

f. Also includes 310.1110 & .1114.

g. Also includes 310.2010 & .2110.

h. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

i. Also includes 310.5030.

j. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

k. Also includes 310.9300 & .9500.

l. Chiefly roving. Also includes 309.9800, & .9900.

TABLE 21:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR-TO-DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0												0	0
OTHER[b]	310.0026	483												483	811
MONOFILAMENTS	309.0110	18												18	0
STRIPS	309.2210	0												0	0
SUBTOTAL ABOVE		**501**												**501**	**811**
STAPLE+TOW-RAYON	309.4222	2262												2262	2925
STAPLE-ACETATE	309.4219	175												175	112
SUBTOTAL ABOVE		**2437**												**2437**	**3037**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**68**												**68**	**72**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373												1373	2478
- HIGH TENACITY[c]	310.0027	5757												5757	4921
- OTHER	310.0029	638												638	883
POLYESTER-TEXTURED	310.0010	7485												7485	7465
- HIGH TENACITY[c]	310.0032	1952												1952	865
- OTHER[d]	310.0034	735												735	2458
OTHER - TEXTURED	310.0014	8990												8990	264
- OLEFIN	309.0040	67												67	52
- OTHER	310.0044	212												212	557
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376												376	231
POLYESTER[e]	309.0140	663												663	667
OTHER	309.0170	283												283	1060
STRIPS	309.2220 & .2270	320												320	427
SUBTOTAL ABOVE		**28851**												**28851**	**22328**
STAPLE - NYLON	309.4240	1111												1111	1180
- POLYESTER	309.4242	8164												8164	23227
- ACRYLIC	309.4245	8607												8607	21821
- OLEFIN	309.4246	1844												1844	1039
- OTHER	309.4247	1124												1124	755
GROUPED FILAMENTS															
NYLON	309.3220	238												238	211
POLYESTER[d]	309.3240	1997												1997	3251
ACRYLIC	309.3250 & .3255	2090												2090	3372
SUBTOTAL ABOVE		**25175**												**25175**	**54856**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	299												299	303
- POLYESTER	309.7630	3848												3848	4721
- ACRYLIC	309.7640	569												569	419
- OTHER	309.7660	3831												3831	1405
SUBTOTAL ABOVE		**8547**												**8547**	**6848**
TOTAL MAN-MADE FIBER ABOVE		**65579**												**65579**	**87952**
TEXTILE GLASS FIBER	309.2700 & .9700	4355												4355	7000
GRAND TOTAL ABOVE		**69934**												**69934**	**94952**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 22:
FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1984				1985			
		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(A) ACETATE[j]			*(N) NYLON* *			*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY[b]	N	92.3	104.3	101.5	98.1	27.8	25.6	24.1	24.0	25.2	25.0	24.8	23.1
OTHER CIRCULAR KNIT[c]	N	25.7	24.5	17.6	12.9	4.2	5.1	4.5	3.8	3.1	3.2	3.0	3.6
	P	228.4	293.7	174.7	182.0	55.7	42.0	33.8	43.2	53.1	46.9	58.6	43.4
	A	1.6	2.1	2.3	NA	0.4	1.0	0.6	0.3	0.3	NA	NA	NA
FLAT KNIT	A	71.7	79.1	67.2	NA	18.1	19.8	15.1	14.2	15.5	NA	NA	NA
	N	130.8	162.2	135.2	143.6	40.4	33.0	29.4	32.4	36.0	33.4	35.9	38.3
	P	87.0	116.6	137.3	150.8	32.7	36.0	34.0	34.6	37.1	39.5	38.9	45.3
CARPET FACE	N	559.5	734.6	770.2	815.4	191.1	197.7	191.3	190.1	163.9	207.5	223.6	220.4
	O	90.0	147.2	154.1	202.1	33.7	36.2	39.1	45.1	44.8	51.2	53.9	52.2
CARPET BACKING[d]	O	184.7	198.8	227.8	354.6	48.1	53.0	51.6	75.1	83.6	93.4	91.0	86.4
OTHER BROAD WOVEN[e]	A	88.8	113.6	108.8	NA	29.8	30.5	27.2	21.3	19.5	NA	NA	NA
	N	82.2	83.6	90.7	71.4	20.5	24.7	23.9	21.6	16.9	16.3	17.7	20.5
	P	367.0	489.9	392.2	400.4	104.8	93.9	92.5	101.0	96.1	107.2	102.5	94.6
	O	172.5	201.1	190.3	225.7	47.4	50.5	43.8	48.6	54.6	60.1	55.6	55.4
NARROW WOVEN[f]	A	2.9	1.7	0.7	NA	0.1	0.3	0.3	+	0.1	NA	NA	NA
	N	30.2	35.3	39.9	31.1	10.8	10.1	9.2	9.8	7.8	7.7	8.3	7.3
	P	28.1	35.5	38.7	38.4	8.6	8.8	10.2	11.1	9.6	9.5	10.2	9.1
	O	12.1	15.0	14.9	15.2	3.7	3.8	3.8	3.6	3.8	4.0	3.9	3.5
TIRES, INCL. CHAFER	N	147.9	145.5	172.9	146.0	42.4	45.5	38.6	46.4	42.7	36.4	32.3	34.6
	P	168.9	174.1	174.4	155.5	44.6	44.5	44.8	40.5	44.5	40.2	34.2	36.6
OTHER RUBBER INDUSTRY[g]	N	17.3	16.3	20.9	15.3	5.1	5.6	5.5	4.7	4.6	3.7	3.5	3.5
	P	26.7	27.8	32.7	32.2	8.1	9.9	7.8	6.9	7.2	8.2	8.3	8.5
ROPE, CORDAGE & FISHLINE	N	29.1	31.7	35.0	35.3	8.7	9.9	8.4	8.0	8.6	8.6	8.7	9.4
	P	14.4	12.2	15.7	13.8	4.5	3.9	3.5	3.8	3.1	3.7	3.9	3.1
	O	84.8	95.5	106.9	108.2	28.4	27.9	23.1	27.5	28.8	29.8	23.2	26.4
ALL OTHER[h]	A	4.0	1.1	1.1	NA	0.3	0.3	0.2	0.3	0.4	NA	NA	NA
	N	50.6	54.4	54.2	48.3	14.1	13.5	14.0	12.6	14.9	11.2	11.1	11.1
	P	214.3	144.6	179.2	221.1	32.9	47.1	50.3	48.9	59.4	56.4	52.6	52.7
	O	32.9	41.0	31.6	31.8	8.0	8.8	8.2	6.6	7.8	7.5	6.8	9.7
TOTAL ABOVE	**A**	**169.0**	**197.6**	**180.1**	**187.1**[j]	**48.7**	**51.9**	**43.4**	**36.1**	**35.8**	**48.0**[j]	**46.6**[j]	**48.1**[j]
	N	**1165.6**	**1392.4**	**14[illegible].4**	**1417.4**	**365.1**	**370.7**	**348.9**	**353.4**	**323.7**	**353.0**	**368.9**	**371.8**
	P	**1134.8**	**1294.4**	**1144.9**	**1204.2**	**291.9**	**286.1**	**276.9**	**290.0**	**290.1**	**311.6**	**309.2**	**293.3**
	O	**577.0**	**698.6**	**725.6**	**937.6**	**169.3**	**180.2**	**169.6**	**206.5**	**223.6**	**246.0**	**234.4**	**233.6**
TOTAL DOMESTIC		**3046.4**	**3582.8**	**3488.7**	**3746.3**	**875.0**	**888.9**	**838.8**	**886.0**	**873.2**	**958.6**	**959.1**	**946.8**
ALSO DIVIDED AS													
APPAREL		1128.2	1257.5	1072.1	NA	278.1	308.8	244.0	241.2	252.1	NA	NA	NA
HOME FURNISHINGS		1016.6	1328.7	1354.2	NA	335.3	305.5	339.9	373.5	364.8	NA	NA	NA
INDUSTRIAL		901.6	996.8	1062.4	NA	261.6	274.6	254.9	271.3	256.3	NA	NA	NA
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		122.3	127.1	118.7	114.9	31.3	30.4	28.1	28.9	28.4	28.7	29.0	28.8
POLYESTER		737.9	832.4	675.5	776.3	173.6	162.1	161.7	178.1	181.0	204.5	206.0	184.8
OLEFIN		26.8	28.0	23.3	22.3	5.9	5.8	6.9	4.7	5.2	5.9	5.2	6.0

NA - Not Available.

*. Includes Aramid in 1981 and 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports.

i. These poundages are included in the Total Domestic area above.

j. Includes Rayon and Acetate.

TABLE 23:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1984				1985			
		1982	1983	1984	1985	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q
(R) RAYON	*(N) NYLON **		*(A) ACRYLIC+MODACRYLIC*				*(P) POLYESTER*				*(O) OLEFIN*		
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	230.5	237.3	204.8	197.2	54.4	57.1	48.5	44.8	48.8	48.9	49.0	50.5
	NPR	8.8	9.5	6.6	5.5	1.4	1.6	1.8	1.8	1.7	1.1	1.3	1.4
PILE FABRICS[b]	A	36.4	33.0	30.0	24.5	8.3	8.9	7.0	5.8	6.6	7.1	6.3	4.5
	P	15.6	18.2	18.4	14.9	4.8	5.0	4.6	4.0	3.9	4.1	3.7	3.2
OTHER CIRCULAR+FLAT KNIT[c]	R	5.7	3.5	4.3	5.5	1.2	0.6	1.2	1.3	0.7	1.3	2.2	1.3
	A	112.6	129.5	118.5	139.1	32.0	35.0	31.0	20.5	27.3	38.3	37.6	35.9
	P	288.8	354.4	283.0	295.5	77.6	76.5	67.5	61.4	67.7	76.7	74.0	77.1
BLANKETS[b]	A	23.7	27.1	25.2	30.2	6.9	5.5	6.7	6.1	6.1	7.4	8.8	7.9
	P	12.0	10.5	5.5	6.2	1.4	1.4	1.5	1.2	0.9	1.9	2.2	1.2
OTHER BROAD WOVEN	R	146.6	182.1	177.7	174.9	48.9	42.6	43.2	42.8	39.0	39.4	44.6	51.9
	N	56.4	59.0	42.5	37.4	12.3	11.0	8.9	10.3	11.4	8.2	8.8	9.0
	A	25.7	32.5	29.5	38.2	9.4	7.4	5.6	7.1	8.8	9.6	9.2	10.6
	P	889.0	1062.9	1039.1	864.9	272.6	270.6	258.3	237.6	214.1	208.3	212.4	230.1
	O	16.1	19.4	22.1	26.9	5.7	5.3	5.3	5.8	6.4	6.9	6.0	7.6
CARPET FACE YARNS	R	0.1	0.2	0.3	0.5	0.2	+	0.1	+	0.1	0.1	0.1	0.2
	N	594.4	815.2	751.0	773.9	194.6	196.1	179.2	181.1	176.5	190.0	199.4	208.0
	A		Included in All Other										
	P	114.7	139.0	131.4	126.8	31.2	35.6	32.0	32.6	30.7	33.9	30.3	31.9
	O	76.8	93.6	96.5	107.4	22.4	25.2	23.9	25.0	25.2	30.6	27.7	23.9
FIBERFILL[d]	P	228.4	275.4	276.1	281.1	69.2	65.9	65.4	75.6	72.6	65.0	68.6	74.9
FLOCK	NP	10.2	10.6	9.2	5.3	2.3	2.3	2.2	2.4	1.4	1.2	1.3	1.4
	R	3.1	3.2	2.7	1.8	0.7	0.7	0.7	0.6	0.6	0.4	0.6	0.2
NONWOVENS[e,f]	R	111.9	119.0	126.3	113.5	33.8	32.4	32.0	28.1	27.6	28.9	29.0	28.0
	N	3.8	4.9	2.8	2.5	0.9	0.6	0.7	0.6	0.7	0.7	0.5	0.6
	P	155.2	177.4	177.2	162.5	44.6	46.7	42.9	43.0	44.0	39.2	39.5	39.8
	VINYON+O	39.0	61.5	119.2	135.8	25.2	29.6	32.5	31.9	34.0	32.0	34.7	35.1
ALL OTHER	R	24.3	23.6	18.8	25.9	5.5	5.6	3.8	3.9	5.5	6.1	6.0	8.3
	N	7.7	5.2	9.4	11.2	1.1	0.9	3.6	3.8	2.8	2.6	2.9	2.9
	A	29.0	32.8	38.7	29.5	9.6	10.3	8.9	9.9	7.7	8.4	7.7	5.7
	P	57.8	55.8	56.2	116.9	11.7	24.5	7.8	12.2	21.0	30.4	30.8	34.7
	VINYON+O	7.0	8.9	3.1	9.6	0.4	0.9	1.0	0.8	1.6	2.4	2.4	3.2
TOTAL ABOVE	**R**	**293.7**	**333.5**	**331.9**	**323.7**	**90.7**	**82.5**	**81.6**	**77.1**	**73.8**	**76.6**	**82.9**	**90.4**
	N	**673.3**	**897.1**	**814.4**	**830.3**	**211.1**	**210.6**	**194.5**	**198.2**	**192.8**	**202.7**	**212.9**	**221.9**
	A	**457.9**	**492.2**	**446.7**	**458.7**	**120.6**	**124.2**	**107.7**	**94.2**	**105.3**	**119.7**	**118.6**	**115.1**
	P	**1767.5**	**2099.2**	**1992.2**	**1872.7**	**514.2**	**527.7**	**481.3**	**469.0**	**456.3**	**460.2**	**462.4**	**493.8**
	VINYON+O	**138.9**	**183.4**	**240.9**	**279.7**	**53.7**	**61.0**	**62.7**	**63.5**	**67.2**	**71.9**	**70.8**	**69.8**
TOTAL DOMESTIC		**3331.3**	**4005.4**	**3826.1**	**3765.1**	**990.3**	**1006.0**	**927.8**	**902.0**	**895.4**	**931.1**	**947.6**	**991.0**
ALSO DIVIDED AS													
APPAREL		1321.7	1461.3	1277.1	1255.0	341.1	349.9	310.3	275.8	289.0	316.4	314.0	335.6
HOME FURNISHINGS		1266.4	1630.0	1559.0	1536.9	404.7	406.1	375.1	373.1	365.7	380.0	385.2	406.0
INDUSTRIAL		743.2	914.1	992.1	973.2	244.5	250.0	242.4	253.1	240.7	234.7	248.4	249.4

* 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon, acrylic and nylon poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

TABLE 24:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1986												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**											**35.0**	**34.0**
NYLON[e] - INDUSTRIAL[f]	26.2	29.4											55.6	63.1
- CARPET	69.4	70.9											140.3	109.0
- TEXTILE[k]	30.7	31.0											61.7	62.6
POLYESTER - INDUSTRIAL[f]	28.2	25.6											53.8	50.9
- LOW DENIER INDUSTRIAL[g]	1.9	2.3											4.2	3.2
- TEXTILE	75.1	75.7											150.8	145.1
OLEFIN[h]	79.5	91.0											170.5	149.3
TOTAL NONCELLULOSIC ABOVE[i]	**311.0**	**325.9**											**636.9**	**583.2**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**35.0**	**30.0**											**65.0**	**54.0**
NYLON[e]	70.5	63.9											134.4	131.1
ACRYLIC+MODACRYLIC	49.1	46.4											95.5	106.5
POLYESTER	179.0	170.7											349.7	331.9
OLEFIN+VINYON	24.0	25.8											49.8	44.5
TOTAL NONCELLULOSIC ABOVE	**322.6**	**306.8**											**629.4**	**614.0**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.0**	**12.2**											**12.2**	**18.2**
NYLON[e] - INDUSTRIAL[f]	23.8	25.6											25.6	30.6
- CARPET	55.4	51.8											51.8	69.5
- TEXTILE[k]	49.0	46.2											46.2	51.2
POLYESTER - INDUSTRIAL[f]	25.1	26.1											26.1	23.2
- LOW DENIER INDUSTRIAL[g]	3.3	3.3											3.3	2.7
- TEXTILE	81.4	87.0											87.0	81.6
OLEFIN[h]	66.7	68.5											68.5	64.3
TOTAL NONCELLULOSIC ABOVE[i]	**304.7**	**308.5**											**308.5**	**323.1**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**											**21.1**	**31.3**
NYLON[e]	62.9	64.1											64.1	72.4
ACRYLIC+MODACRYLIC	66.1	66.3											66.3	75.0
POLYESTER	147.9	141.5											141.5	192.6
OLEFIN+VINYON	33.3	33.7											33.7	25.1
TOTAL NONCELLULOSIC ABOVE	**310.2**	**305.6**											**305.6**	**365.1**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														
RAW COTTON	299.6											299.6	176.2	

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 43 of the March 1985 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 43 of the March 1985 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 43 of the March 1985 issue.

k. Low denier industrial Nylon is now included with Textile

C8850-1

TEXTILE Organon

Volume 57, No. 4 ☐ April 1986

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

***Textile Organon** Feature:*

1985 Import Review of Man-Made Fiber Apparel . . . begins on page 71.

Trade Barometer . . . begins on page 73.

1985 U.S. Trade Results:

U.S. General Imports of Apparel Rise to 3,033 Million Equivalent Square Yards . . . see page 71.

In March, shipments of noncellulosic yarn+monofilaments fell by 2.5% to 316.5 million pounds from the 324.0 million pounds shipped in February.

- ***Polyester textile yarn*** shipments decreased by 11%.
- ***Nylon industrial yarn*** shipments fell by almost 2%.

Shipments of noncellulosic staple+tow increased by almost 3% to 317.5 million pounds in March.

- ***Acrylic+Modacrylic staple+tow*** shipments rose by 9.2%.
- ***Olefin+Vinyon staple*** deliveries increased by 7.5%.
- ***Polyester staple+tow*** shipments grew by 1.5%.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT*

ITEM	1986			1985		YEAR TO DATE		
	MAR	FEB	%[a]	MAR	%[b]	1986	1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**18.3**	**17.2**	*+6.4*	**17.7**	*+3.4*	**53.3**	**51.7**	*+3.1*
NYLON[d] - INDUSTRIAL	29.0	29.5	*-1.7*	33.1	*-12.4*	84.8	96.2	*-11.9*
- CARPET	71.1	71.1	--	59.5	*+19.5*	211.8	168.5	*+25.7*
- TEXTILE[e]	31.5	31.1	*+1.3*	29.9	*+5.4*	93.5	92.5	*+1.1*
POLYESTER - INDUSTRIAL	27.9	25.6	*+9.0*	25.3	*+10.3*	81.7	76.2	*+7.2*
- LOW DENIER INDUSTRIAL	2.4	2.3	*+4.3*	1.4	*+71.4*	6.6	4.6	*+43.5*
- TEXTILE	67.4	75.7	*-11.0*	81.9	*-17.7*	218.3	227.0	*-3.8*
OLEFIN	87.2	88.7	*-1.7*	77.9	*+11.9*	255.5	227.2	*+12.5*
TOTAL NONCELLULOSIC ABOVE	**316.5**	**324.0**	*-2.3*	**309.0**	*+2.4*	**952.2**	**892.2**	*+6.7*
STAPLE+TOW+FIBERFILL								
RAYON	**33.0**	**30.0**	*+10.0*	**27.7**	*+19.1*	**97.9**	**81.7**	*+19.8*
NYLON[d]	64.3	64.1	*+0.3*	65.0	*-1.1*	199.1	196.1	*+1.5*
ACRYLIC+MODACRYLIC	52.2	47.8	*+9.2*	57.8	*-9.7*	150.2	164.3	*-8.6*
POLYESTER	173.7	171.2	*+1.5*	175.4	*-1.0*	524.8	507.3	*+3.4*
OLEFIN+VINYON	27.3	25.4	*+7.5*	23.7	*+15.2*	76.7	68.2	*+12.5*
TOTAL NONCELLULOSIC ABOVE	**317.5**	**308.5**	*+2.9*	**321.9**	*-1.4*	**950.8**	**935.9**	*+1.6*

-- Means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. Nylon excludes Aramid.

e. Low denier industrial Nylon is included with Textile.

Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

APRIL 1986

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

Copyright ©1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates (payable in U.S. dollars with order):

Item	U.S.A.	Other
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues:		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

CONTENTS

Features

Fiber Trade Detail **68-70**
- Noncellulosic Yarn Trade Detail 68
- Noncellulosic Staple Trade Detail 69
- Cellulosic Fiber Trade Detail 70
- Tire Cord & Spun Yarn Trade Detail 70

1985 Import Review **71-72**
- Graph 1: U.S. General Imports of Man-Made Fiber Apparel 71
- U.S. General Imports of Man-Made Fiber Apparel 72

Industry Regulars

- Total Man-Made Fiber Shipments 65

Datagram **67**

Trade Barometer **73-80**
- Graph 2: Imports vs. Exports of Man-Made Fiber 73
- Graph 3: Man-Made Fiber Monthly Trade Balance 74
- Man-Made Fiber Monthly Trade Balance Detail 74

Monthly U.S. Man-Made Fiber Data **75-77**
- Imports By Country of Origin 75
- Imports For Consumption 76
- Exports By Fibers 77

Selected U.S. Textile Fiber Data **78-80**
- Revised 1985 Data 78
- 1986 Data 79
- Graph 4: U.S. Monthly Textile Fiber Data 80

DATAGRAM

IMPORTS OF MAN-MADE FIBER APPAREL CONTINUE TO RISE

In 1985, U.S. imports of man-made fiber apparel totaled 3,033 million equivalent square yards, up 6.9% from the 2,836 million equivalent square yards imported in 1984.

Africa, Asia and Oceania accounted for over 87% of total U.S. imports in 1985. Between 1984 and 1985, these imports rose by almost 5% and over 90% since 1979.

Imports of man-made fiber apparel from the People's Republic of China totaled 240 million equivalent square yards, an increase of nearly 4% above 1984 and 549% above 1979.

Imports from Taiwan reached 805 million equivalent square yards, up over 2% since 1984 and 67.7% since 1979.

In 1985, imports from the Republic of Korea fell nearly 5% to 585 million equivalent square yards, but since 1979, imports grew over 55%.

MAN-MADE FIBER IMPORTS DECLINE IN FEBRUARY

In February, total imports of man-made fiber reached 30.0 million pounds, a decline of 2½% over the 30.8 million pounds imported last month.

Comparing year to date 1986 over 1985, U.S. imports for consumption rose by nearly 21% to 60.8 million pounds, of which:

Noncellulosic Staple imports grew by over 48%, and

Noncellulosic Yarn imports advanced by 14%.

EXPORTS OF MAN-MADE FIBERS IMPROVE SLIGHTLY

In February, total exports of man-made fibers reached 66.4 million pounds, up 1.2% from 65.6 million pounds exported in January. The most significant growth was achieved in noncellulosic staple of over 7% to 27.0 million pounds in February, whereas noncellulosic yarn exports fell by more than 26% to 24.1 million pounds.

Comparing year to date 1986 over 1985, U.S. exports of man-made fibers fell by 6% from 140.5 million pounds in 1985 to 132.0 million pounds. Noncellulosic staple exports experienced a loss of nearly 37%, while exports of noncellulosic yarn rose almost 27%.

SHIPMENTS CONTINUE TO RISE

Shipments of noncellulosic yarn, staple+tow rose during the first quarter of 1986 by 4% to 1,903.0 million pounds from the 1,828.1 million pounds shipped during the same time in 1985. At the same time, inventories declined by 5½% from the level of last year.

- ***Nylon carpet yarn shipments rose by nearly 26%, and inventories fell by 21%.***
- ***Polyester Staple+tow shipments increased by 3.4%, while inventories dropped by 19%.***

TABLE 2A:
NONCELLULOSIC YARN TRADE DETAIL

1983-1984

Million Pounds

	NYLON				POLYESTER				OTHER				TOTAL YARN			
	IMPORTS		EXPORTS		IMPORTS		EXPORTS		IMPORTS		EXPORTS		IMPORTS		EXPORTS	
COUNTRY	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
EUROPE																
CYPRUS													1.0		+	
DENMARK													46.7	50.3	20.9	23.6
FINLAND													23.0	27.0	2.3	4.2
HUNGARY													20.8	13.1	3.4	4.3
IRELAND	2.4		1.3		24.5		26.4		3.3		1.3		30.2	27.0	29.0	30.4
ITALY/MALTA	61.2	74.8	163.4	150.2	47.8	65.1	55.0	60.9	11.5	12.1	62.0	69.3	120.5	152.0	280.4	280.4
PORTUGAL	20.1				11.0				4.4				35.5	42.4	4.4	4.8
SPAIN													20.7	20.0	17.9	32.2
TURKEY													35.7	50.2	18.1	22.0
U. KINGDOM													280.5	251.6	134.4	142.3
OTHER AMERICAS																
BOLIVIA																
BRAZIL	1.8	2.9	0.2	0.2	0.1	+	14.9	28.2					1.9	2.9	15.1	28.4
COLUMBIA	1.0												1.0	3.0	+	
COSTA RICA							8.8						1.3	2.9	8.8	0.5
GUATEMALA																
MEXICO	0.9				0.1								1.0	1.7	12.7	2.4
URUGUAY													1.1	0.2	0.4	0.5
VENEZUELA													20.2	2.7		
AFRICA, ASIA & OCEANIA																
INDIA	4.0				26.9				5.6				36.5	14.0	0.2	0.6
KOREA, REP. OF	9.3		16.5		25.7		67.8		5.5		2.9		40.5	30.8	87.2	122.0
MALAYSIA	31.2		+				+		1.0		0.2		32.2	1.6	0.2	
NIGERIA													10.8	5.6		
S. AFRICA													24.9	24.4	7.5	7.5
SRI LANKA													0.4	0.7	8.8	
TAIWAN													28.6	37.6	317.5	388.3
THAILAND													2.2	0.1	1.3	1.9

TABLE 2B:
NONCELLULOSIC STAPLE TRADE DETAIL

1983-1984
Million Pounds

	NYLON				POLYESTER				ACRYLIC				OTHER				TOTAL STAPLE			
COUNTRY	IMPORTS		EXPORTS		IMPORTS		EXPORTS		IMPORTS		EXPORTS		IMPORTS		EXPORTS		IMPORTS		EXPORTS	
	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
EUROPE																				
CYPRUS																	0.9			
DENMARK																	17.6	16.3	17.4	22.0
FINLAND																	29.2	39.6	0.7	0.2
HUNGARY																	26.7	18.8	7.6	8.8
IRELAND	1.8		10.6		1.7		43.8		0.2		40.4		0.4		1.9		4.1	6.5	96.7	106.8
ITALY/MALTA	18.5	19.8	52.2	48.5	82.1	118.4	67.5	88.2	158.8	194.2	312.9	355.8	5.1	8.6	76.1	78.5	264.5	341.0	508.7	571.0
PORTUGAL	1.6				5.2				12.1				2.6				21.5	17.9	6.3	10.8
SPAIN																	64.1	77.2	111.4	104.5
TURKEY	22.0						22.0				91.5						22.0	62.1	113.5	110.0
U. KINGDOM	22.4		28.4		74.9		25.2		63.6		140.4		19.8		12.4		180.7	182.3	206.4	208.6
OTHER AMERICAS																				
BOLIVIA																				
BRAZIL	0.1	0.2	0.1	1.1	1.3	0.9	16.9	46.3	0.3	0.6	4.1	7.7					1.7	1.7	21.1	55.1
COLUMBIA	1.2																1.2	15.6		
COSTA RICA																	5.7	5.2	1.1	2.4
GUATEMALA																				
MEXICO					6.0				1.6								7.6	2.2	18.9	28.6
URUGUAY																	1.6	0.9	4.7	0.2
VENEZUELA																	5.6	4.8		
AFRICA, ASIA & OCEANIA																				
INDIA	0.3				23.2				5.0				16.1				44.6	17.3		0.4
KOREA, REP. OF	1.3		2.4		23.8		36.6		17.6		4.3		6.9		0.5		49.6	62.2	43.8	122.2
MALAYSIA	+				14.1		49.5		6.3		0.1		0.6		+		21.0	17.5	49.6	0.2
NIGERIA																	1.9	1.8		
S. AFRICA							1.6										48.4	60.0	1.6	1.1
SRI LANKA																	1.3	1.9		
TAIWAN																	107.2	120.9	190.7	201.8
THAILAND																	12.7	15.2		

TABLE 3:
CELLULOSIC FIBER TRADE DETAIL

1983-1984
Million Pounds

	RAYON				ACETATE				OTHER				TOTAL YARN				TOTAL STAPLE[a]			
COUNTRY	**IMPORTS**		**EXPORTS**		**IMPORTS**		**EXPORTS**		**IMPORTS**		**EXPORTS**		**IMPORTS**		**EXPORTS**		**IMPORTS**		**EXPORTS**	
	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
EUROPE																				
CYPRUS													0.1		*					
DENMARK													0.6	0.8	0.1	0.2	3.0	3.5	*	0.1
FINLAND													3.1	3.1	*	0.1	7.7	8.0	131.9	131.5
HUNGARY	33.3		0.4										33.3	11.2	0.4	0.4	34.7	18.5	17.2	4.9
IRELAND	1.5		*		0.7		0.1		0.5		*		2.7	3.2	0.1	0.1	3.9	6.3	1.6	0.2
ITALY/MALTA	27.7	39.1	7.8	10.6	8.4	7.8	19.9	15.7	1.9	2.2	14.0	14.1	38.0	49.1	41.7	40.4	91.3	110.4	3.3	3.4
PORTUGAL	2.5				0.7				0.1				3.3	4.6	0.7	0.4	18.8	19.3	*	0.2
SPAIN													4.2	11.8	3.0	2.5	9.5	18.1	2.2	1.2
TURKEY													2.6	12.9			4.9	19.8		
U. KINGDOM	24.5		1.9		1.6		51.3		3.6		1.1		29.7	29.3	54.3	42.6	49.6	42.7	227.1	192.3
OTHER AMERICAS																				
BOLIVIA													*				0.4			
BRAZIL			9.9	9.4	0.3	0.5	0.1						0.3	0.5	10.0	9.4	1.5	0.5	15.2	17.2
COLUMBIA													0.3	*	*		3.1	5.1		
COSTA RICA													0.1	*			0.2	*		
GUATEMALA	1.1		*						0.3		0.3		1.4		0.3					
MEXICO	0.1												0.1	*	1.5	1.1	6.1	9.6	*	*
URUGUAY													1.4		0.9		3.5	1.9	*	
VENEZUELA													1.7	0.3		0.2	17.0	25.9		
AFRICA, ASIA & OCEANIA																				
INDIA	15.1												15.1	5.0		1.6	92.6	32.8		
KOREA, REP. OF	0.6		5.1		21.0		*		1.4		0.2		23.0	22.6	5.3	7.6	49.7	48.7		
MALAYSIA	0.5								1.8		*		2.3	0.2	*	*	5.2	3.7		
NIGERIA													0.8	0.6			4.9	6.8		
S. AFRICA													7.5	8.1			21.3	18.3		
SRI LANKA													0.1	*			2.3	3.9		
TAIWAN													2.1	5.5	5.0	5.4	18.5	13.4	68.4	52.3
THAILAND													1.0	1.1	*	*	1.9	2.5	13.4	15.2

a. Staple data are predominantly rayon, but may include some acetate staple.

TABLE 4:
TIRE CORD AND SPUN YARN TRADE DETAIL

1983-1984
Million Pounds

	TIRE CORD								SPUN YARN							
	RAYON				NONCELLULOSIC				CELLULOSIC				NONCELLULOSIC			
	IMPORTS		**EXPORTS**		**IMPORTS**		**EXPORTS**		**IMPORTS**		**EXPORTS**		**IMPORTS**		**EXPORTS**	
COUNTRY	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
EUROPE																
CYPRUS[a]	a				a		a		*		*		0.9		*	
DENMARK	*				*				1.8	2.2	0.2	0.2	22.9	22.5	12.1	12.1
FINLAND	1.3	2.0		*	*	5.1		1.3	1.3	1.8		0.2	7.7	7.9	0.7	0.7
HUNGARY	3.7		0.4		0.1											
IRELAND	0.9		*						1.3	1.3	0.9	0.4	7.9	7.7	7.7	8.2
ITALY/MALTA	1.5	2.0	4.2	3.5	1.5	2.0	*	*	5.7	8.4	17.0	17.0	11.0	18.5	140.7	133.4
PORTUGAL									0.2	0.2	1.3	0.7	3.5	3.9	13.9	16.5
SPAIN									*	*	3.3	0.9	1.3	1.8	65.9	87.7
TURKEY					0.4					*	0.2	0.2	*	0.2	43.4	55.8
U. KINGDOM	0.1		1.0		0.5		3.5		4.6	5.7	3.7	3.1	74.7	81.1	17.6	18.1
OTHER AMERICAS																
BOLIVIA	7.5															
BRAZIL					1.5	2.4	*	1.8								
COLUMBIA							*						0.1			
COSTA RICA																
GUATEMALA									9.5		1.1					
MEXICO	6.6												*			
URUGUAY	0.1				0.7						*		0.3		0.3	
VENEZUELA	1.0				14.5				0.2				1.7			
AFRICA, ASIA & OCEANIA																
INDIA					10.7				0.5		4.3					
KOREA, REP. OF			0.1		0.5		27.8		0.1		*		14.4		159.0	144.0
MALAYSIA	1.7		*		22.0		0.1						4.7		13.5	
NIGERIA																
S. AFRICA																
SRI LANKA																
TAIWAN					6.2		0.1		0.1		12.7		1.5		139.8	147.5
THAILAND											NA				NA	

NA means Not Available.

a. Cyprus reported tire cord data in square yards, instead of pounds.

RAYON: Imports 1983-15671 SQY.
NONCELLULOSIC: Imports 1983-948909 SQY; Exports 1983-182563 SQY.

1985 IMPORT REVIEW

In 1985, U.S. imports of man-made fiber apparel rose by 6.9% to 3,033 million equivalent square yards. Accounting for over 87% of the total, imports from Africa, Asia and Oceania rose by almost 5%, an increase of over 90% since 1979.

Imports from Taiwan reached 805 million equivalent square yards, up almost 2% over 1984 and 67.7% since 1979. Imports from the Republic of Korea fell nearly 5% in 1985 to 585 million equivalent square yards and over 55% above 1979.

1985 imports of man-made fiber apparel from the People's Republic of China totaled 240 million equivalent square yards, an increase of almost 4% above 1984 and 549% above 1979. On a year-to year basis from 1979-1984, these imports rose 27% between 1979 and 1980, 102% between 1980 and 1981, 102% between 1981 and 1982, 11% between 1982 and 1983 and nearly 9% between 1983 and 1984.

GRAPH 1:
U.S. GENERAL IMPORTS OF MAN—MADE FIBER APPAREL
MILLION EQUIVALENT SQUARE YARDS

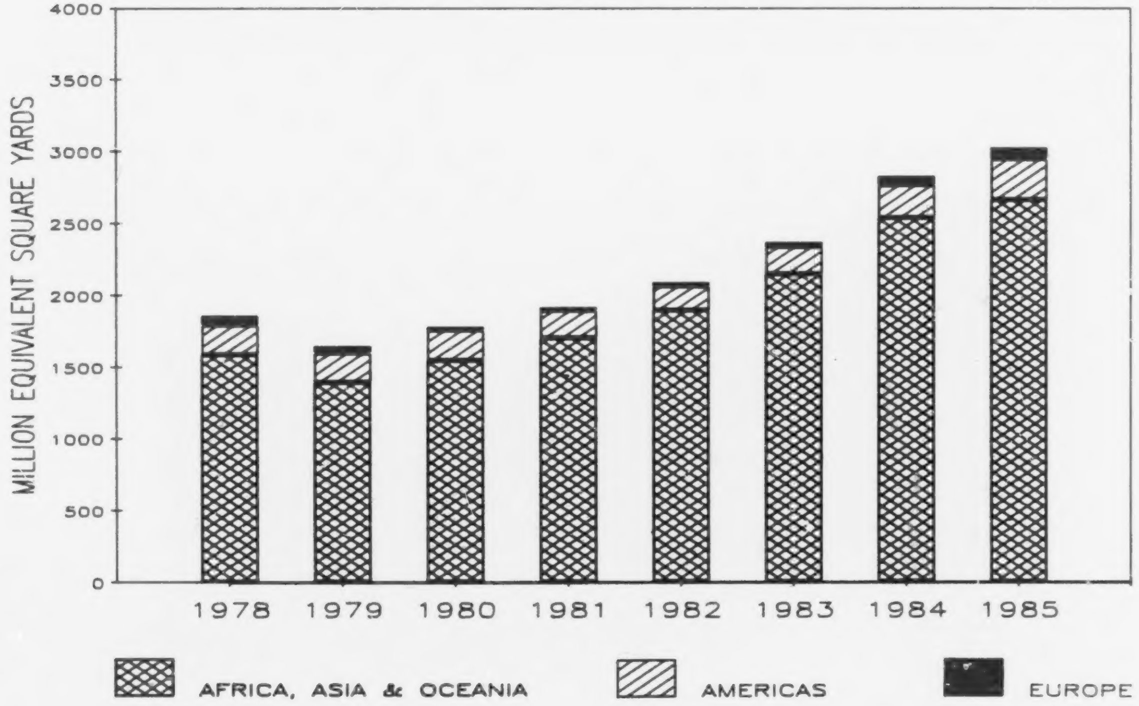


TABLE 5:
U.S. GENERAL IMPORTS OF MAN-MADE FIBER APPAREL

MILLIONS OF EQUIVALENT SQUARE YARDS & *Percent*

COUNTRY	1979	%^{b}	1980	%^{a}	%^{b}	1981	%^{a}	%^{b}	1982	%^{a}	%^{b}	1983	%^{a}	%^{b}	1984	%^{a}	%^{b}	1985	%^{a}	%^{b}
CHINA, P.R.O.	37	2.2	47	+27.0	2.6	95	+102.1	4.9	192	+102.1	9.2	213	+10.9	8.9	231	+8.5	8.1	240	+3.9	7.9
HONG KONG	210	12.7	207	-1.4	11.6	228	+10.1	11.8	240	+5.3	11.4	275	+14.6	11.6	321	+16.7	11.3	298	-7.2	9.8
INDIA	4	0.2	3	-25.0	0.2	4	+33.3	0.2	4	--	0.2	8	+100.0	0.3	12	+50.0	0.4	16	+33.3	0.5
INDONESIA	2	0.1	2	--	0.1	2	--	0.1	7	+250.0	0.3	14	+100.0	0.6	74	+428.6	2.6	93	+25.7	3.1
ISRAEL	10	0.6	9	-10.0	0.4	5	-44.4	0.3	4	-20.0	0.2	4	--	0.2	4	--	0.1	10	+150.0	0.3
JAPAN	52	3.1	44	-15.4	2.5	35	-20.5	1.8	26	-25.7	1.2	35	+34.6	1.5	53	+51.4	1.9	62	+17.0	2.0
KOREA, REP. OF	377	22.8	449	+19.1	25.0	540	+20.3	28.1	522	-3.3	24.9	575	+10.2	24.2	614	+6.8	21.7	585	-4.7	19.3
MACAO	25	1.5	17	-32.0	1.0	22	+29.4	1.1	21	-4.5	1.0	25	+19.0	1.1	34	+36.0	1.2	28	-17.6	0.9
MALAYSIA	3	0.2	3	--	0.2	5	+66.7	0.3	7	+40.0	0.3	8	+14.3	0.3	30	+275.0	1.2	60	+100.0	2.0
PHILIPPINES	112	6.8	103	-8.0	5.8	105	+1.9	5.4	108	+2.9	5.1	120	+11.1	5.0	163	+35.8	5.7	180	+10.4	5.9
SINGAPORE	49	3.0	39	-20.4	2.2	42	+7.7	2.2	48	+14.3	2.3	54	+12.5	2.3	86	+59.3	3.0	111	+29.1	3.7
SRI LANKA	6	0.4	7	+16.7	0.4	9	+28.6	0.5	20	+122.2	1.0	22	+10.0	0.9	38	+72.7	1.3	41	+7.9	1.4
TAIWAN	480	29.0	596	+24.2	33.3	586	-1.7	30.5	660	+12.6	31.4	750	+13.6	31.5	793	+5.7	28.0	805	+1.5	26.5
THAILAND	29	1.8	22	-24.1	1.2	25	+13.6	1.3	37	+48.0	1.8	46	+24.3	1.9	77	+67.4	2.7	88	+14.3	2.9
OTHER A., A. & O.	1	0.1	1	--	0.1	2	+100.0	0.1	2	--	0.1	4	+100.0	0.2	13	+225.0	0.5	49	+276.9	1.6
TOTAL A., A. & O.	**1397**	84.5	**1549**	+10.9	86.6	**1705**	+10.1	88.6	**1898**	+11.3	90.4	**2153**	+13.4	90.5	**2543**	+18.1	89.7	**2666**	+4.8	87.8
BARBADOS	5	0.3	6	+20.0	0.3	6	--	0.3	6	--	0.3	8	+33.3	0.3	4	-50.0	0.1	6	+50.0	0.2
BELIZE	3	0.2	5	+66.7	0.3	2	-60.0	0.1	2	--	0.1	2	--	0.1	+	-100.0	--	5	+500.0	0.2
CANADA	2	0.1	2	--	0.1	2	--	0.1	3	+50.0	0.1	3	--	0.1	4	+33.3	0.1	7	+75.0	0.2
COLOMBIA	7	0.4	5	-28.6	0.3	5	--	0.3	5	--	0.2	5	--	0.3	7	+40.0	0.2	6	-14.3	0.2
COSTA RICA	16	1.0	17	+6.3	1.0	18	+5.9	0.9	19	+5.6	0.9	24	+26.3	1.0	25	+4.2	0.9	23	-8.0	0.8
DOMINICAN REPUBLIC	32	1.9	34	+6.3	1.9	33	-2.9	1.7	38	+15.2	1.8	43	+13.2	1.8	51	+18.6	1.8	57	+11.8	1.9
EL SALVADOR	11	0.7	3	-72.7	0.2	2	-33.3	0.1	1	-50.0	0.1	1	--	--	1	--	--	2	+100.0	0.1
GUYANA	2	0.1	3	+50.0	0.2	3	--	0.2	3	--	0.1	3	--	0.1	1	-66.7	--	+	-100.0	--
HAITI	47	2.8	49	+4.3	2.7	39	-20.4	2.1	33	-15.4	1.7	40	+21.2	1.7	42	+5.0	1.6	49	+16.7	1.6
HONDURAS	3	0.2	4	+33.3	0.2	5	+25.0	0.3	5	--	0.2	4	-20.0	0.2	5	+25.0	0.2	5	--	0.2
JAMAICA	3	0.2	4	+33.3	0.2	4	--	0.2	2	-50.0	0.1	3	+50.0	0.1	5	+66.7	0.2	8	+60.0	0.3
LEEWARD & WINDWARD IS.	3	0.2	4	+33.3	0.2	7	+75.0	0.3	8	+14.3	0.4	10	+25.0	0.4	12	+20.0	0.4	--	--	--
MEXICO	69	4.2	72	+4.3	4.0	64	-11.1	3.3	42	-34.4	2.0	40	-4.8	1.7	56	+40.0	2.0	81	+44.6	2.7
NICARAGUA	1	0.1	1	--	0.1	+	-100.0	--	+	--	--	+	--	--	+	--	--	+	--	--
OTHER AMERICAS	2	0.1	3	+50.0	0.2	2	-33.3	0.1	3	+50.0	0.1	4	+33.3	0.2	15	+275.0	0.5	36	+140.0	1.2
TOTAL AMERICAS	**206**	12.5	**212**	+2.9	11.9	**192**	-9.4	10.0	**170**	-11.5	8.1	**190**	+11.8	8.0	**228**	+20.0	8.0	**285**	+25.0	9.6
FRANCE	4	0.2	2	-50.0	0.1	2	--	0.1	2	--	0.1	4	+100.0	0.2	5	+25.0	0.2	7	+40.0	0.2
GERMANY, FED. REP. OF	1	0.1	+	-100.0	--	+	--	--	1	+100.0	0.1	1	--	--	2	+100.0	0.1	4	+100.0	0.1
ITALY	15	0.9	9	-40.0	0.4	7	-22.2	0.3	6	-14.3	0.3	7	+16.7	0.3	17	+142.9	0.6	22	+29.4	0.7
POLAND	9	0.5	5	-44.4	0.3	4	-20.0	0.2	3	-25.0	0.1	3	--	0.1	5	+66.7	0.2	4	-20.0	0.1
PORTUGAL	1	0.1	1	--	0.1	1	--	0.1	1	--	0.1	1	--	--	2	+100.0	0.1	5	+150.0	0.2
ROMANIA	10	0.6	6	-40.0	0.3	10	+66.7	0.4	15	+50.0	0.5	14	-6.7	0.6	17	+21.4	0.6	16	-5.9	0.5
SPAIN	2	0.1	1	-50.0	0.1	1	--	0.1	1	--	0.1	2	+100.0	0.1	2	--	0.1	2	--	0.1
UNITED KINGDOM	3	0.2	1	-66.7	0.1	1	--	0.1	1	--	0.1	2	+100.0	0.1	4	+100.0	0.1	7	+75.0	0.2
YUGOSLAVIA	2	0.1	+	-100.0	--	+	--	--	+	--	--	+	--	--	4	+400.0	0.1	5	+25.0	0.2
OTHER EUROPE	3	0.2	1	-66.7	0.1	1	--	0.1	1	--	0.1	3	+200.0	0.1	7	+133.3	0.2	10	+42.9	0.3
TOTAL EUROPE	**50**	3.0	**26**	-48.0	1.5	**27**	+3.8	1.4	**31**	+14.8	1.5	**37**	+19.4	1.5	**65**	+75.7	2.3	**82**	+26.2	2.6
GRAND TOTAL	**1653**	100.0	**1787**	+8.1	100.0	**1924**	+7.7	100.0	**2099**	+9.1	100.0	**2380**	+13.4	100.0	**2836**	+19.2	100.0	**3033**	+6.9	100.0

Source: U.S. Department of Commerce - TQ 2310.

+ Means nominal poundage. -- Means nominal percentage. a. Percent change from previous year. b. Percent of total apparel imports.

TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE RISES

The U.S. man-made fiber balance of trade rose in February as the net-export balance of trade increased to 36.3 million pounds, up 4.3% from the 34.8 million pound export balance in January. Declining imports and rising exports of man-made fiber resulted in the increase of the trade balance. Imports of fiber amounted to 30.0 million pounds, down 2.6% from the 30.8 million pounds imported in January. Exports of fiber in February totaled 66.4 million pounds, an increase of 1.2% from the 65.6 million pounds exported in January.

The February trade balance is slightly over 39% above that of February 1985. This month's imports are 13.2% above the level of last February, while exports are up 26% during the same period.

FEBRUARY DETAIL

The net-export balance in February in **Noncellulosic Yarn+Monofilaments** fell 25% to 15.3 million pounds.

The **Noncellulosic Staple+Tow** balance of trade rose 33% to 12.1 million pounds in February, as imports dropped by 7% and exports grew by 7%.

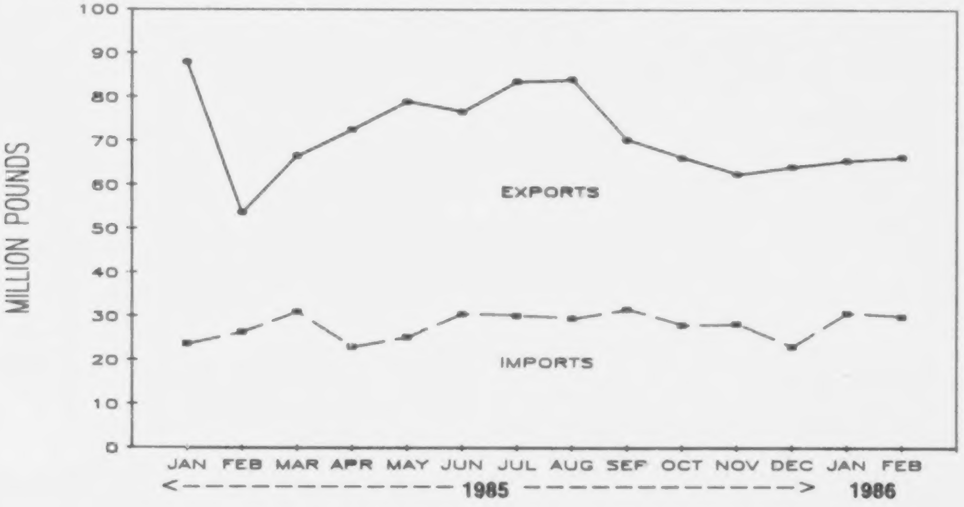
The balance of trade for **Cellulosic Staple** rose by 88% in February to 1.5 million pounds.

The **Cellulosic Yarn+Monofilaments** balance of trade declined by 11% as imports fell by 7% and exports remained unchanged.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ORGANON.

GRAPH 2:
IMPORTS VS EXPORTS OF MAN-MADE FIBER



GRAPH 3:
MAN—MADE FIBER MONTHLY TRADE BALANCE

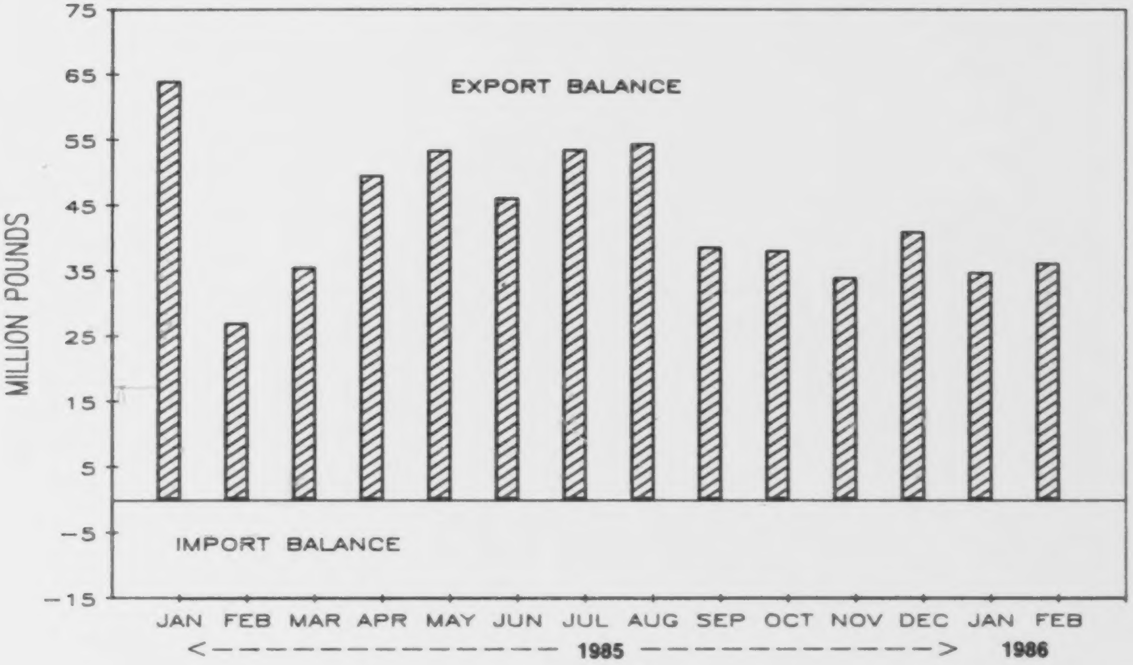


TABLE 6:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985											1986	
	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
CELLULOSIC YARN+MONOFILAMENTS	0.4 E	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I
CELLULOSIC STAPLE+TOW	0.8 E	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E
NONCELLULOSIC YARN+MONOFILAMENTS	12.2 E	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E
NONCELLULOSIC STAPLE+TOW	16.6 E	23.4 E	24.8 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E
CELLULOSIC WASTE	+	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E	+	+	+	0.1 E	0.2 E
NONCELLULOSIC WASTE	2.9 I	0.7 I	2.2 E	2.1 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E
TOTAL	**27.1 E**	**35.6 E**	**49.7 E**	**53.5 E**	**46.2 E**	**53.6 E**	**54.5 E**	**38.7 E**	**38.2 E**	**34.1 E**	**41.1 E**	**34.8 E**	**36.3 E**

I means net-import balance.
E means net-export balance.

TABLE 7:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1986 JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR TO DATE 1986	1985
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56											138	130
CANADA	200	420											620	251
GERMANY, FED. REP. OF	482	284											766	1110
JAPAN	95	41											136	169
MEXICO	81	114											195	73
NETHERLANDS	195	181											376	153
REP. OF KOREA	80	60											140	0
ALL OTHER COUNTRIES[a]	160	146											306	28
TOTAL CELL. YARN	**1375**	**1302**											**2677**	**1914**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0											259	150
CANADA	777	981											1758	1450
JAPAN	143	75											218	52
MEXICO	310	0											310	0
UNITED KINGDOM	105	39											144	430
ALL OTHER COUNTRIES[b]	11	0											11	717
TOTAL CELL. STAPLE+TOW	**1605**	**1095**											**2700**	**2799**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16											16	20
AUSTRIA	113	7											120	192
BELGIUM	1152	1901											3053	659
BRAZIL	1	56											57	0
CANADA	1282	338											1620	1678
COSTA RICA	480	430											910	0
FRANCE	405	689											1094	1123
GERMANY, FED. REP. OF	1195	1199											2394	3555
ISRAEL	413	277											690	352
ITALY	790	529											1319	2439
JAPAN	646	553											1199	1377
MEXICO	128	917											1045	1212
NETHERLANDS	74	213											287	94
SOUTH AFRICA	853	866											1719	495
SWITZERLAND	74	74											148	61
TAIWAN	36	39											75	10
UNITED KINGDOM	573	510											1083	1203
YUGOSLAVIA	85	0											85	327
ALL OTHER COUNTRIES[c]	47	218											265	278
TOTAL N.C. YARN	**8347**	**8832**											**17179**	**15075**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18											43	212
BRAZIL	35	60											95	693
CANADA	2650	1831											4481	3793
COSTA RICA	31	44											75	416
FRANCE	996	984											1980	1952
GERMANY, FED. REP. OF	3105	2727											5832	3626
ISRAEL	42	81											123	1
ITALY	1237	1748											2985	938
JAPAN	1919	1523											3442	2401
MEXICO	1025	1105											2130	1544
NETHERLANDS	20	0											20	101
REP. OF KOREA	492	355											847	207
ROMANIA	210	88											298	171
SOUTH AFRICA	80	88											168	180
SWITZERLAND	137	0											137	164
TAIWAN	2105	1587											3692	2334
UNITED KINGDOM	1819	2340											4159	2027
ALL OTHER COUNTRIES[d]	116	330											446	144
TOTAL N.C. STAPLE+TOW	**16044**	**14909**											**30953**	**20904**

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

a Austria 30, Belgium 81, China, PRC 2, France 43, Ireland 69, Thailand 17, United Kingdom 36, Yugoslavia 28

b. Federal Rep. of Germany 4, Hong Kong 6, Sweden 1.

c. Hong Kong +, India +, Korea, Rep. of 71, Romania 51, Singapore 15, Somalia 36, Spain +, Sweden 92.

d. Australia 94, Austria 40, Ireland 81, Kenya 31, Philippines +, Sweden 57, Switzerland +, Thailand 138, Turkey 1, Yugoslavia 4.

TABLE 8:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30											58	0
OTHER	310.0130 & .0230[a]	1309	1180											2489	1856
MONOFILAMENTS	309.0310 & .0610	0	5											5	17
STRIPS, $1/LB & UNDER	309.2000*	38	87											125	41
SUPTOTAL ABOVE		**1375**	**1302**											**2677**	**1914**
STAPLE	309.4320 & .4325	1465	1056											2521	2574
GROUPED FILAMENTS	309.3010 & .3310	140	39											179	225
SUBTOTAL ABOVE		**1605**	**1095**											**2700**	**2799**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	+	0											+	**169**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0107 & .0207[b]	1959	1412											3371	3785
- POLYESTER	310.0110 & .0210	748	1376											2124	1412
- OTHER	310.0114 & .0214	1640	2607											4247	2395
OTHER - NYLON	310.0149 & .0249	1236	1498											2734	3856
- POLYESTER	310.0150 & .0250	1898	1331											3229	2662
- OTHER	310.0170 & .0270[c]	483	225											708	422
MONOFILAMENTS	309.0200 & .0330[d]	275	256											531	373
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127											235	170
SUBTOTAL ABOVE		**8347**	**8832**											**17179**	**15075**
STAPLE - NYLON	309.4338	3716	4331											8047	4226
- POLYESTER	309.4342	2725	3058											5783	3641
- ACRYLIC	309.4345	1473	822											2295	2359
- OLEFIN	309.4346	623	222											845	207
- OTHER	309.4355	2666	1949											4615	3483
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504											6885	4787
POLYESTER	309.3040 & .3340	147	150											297	707
ACRYLIC	309.3050 & .3350	972	670											1642	1272
OTHER	309.3065 & .3365	341	203											544	222
SUBTOTAL ABOVE		**16044**	**14909**											**30953**	**20904**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239											3844	7415
- POLYESTER	309.6630	560	403											963	1395
- ACRYLIC	309.6645	0	0											0	+
- OTHER	309.6660	892	813											1705	209
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59											59	0
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357											681	412
SUBTOTAL ABOVE		**3381**	**3871**											**7252**	**9431**
TOTAL MAN-MADE ABOVE		**30752**	**30009**											**60761**	**50292**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	30											30	0
- NONCELLULOSIC	310.1015[e] & .1109[f]	1309	1305											2614	1771
OTHER - CELLULOSIC	310.1030 & .1135[g]	2	11											13	66
- NONCELLULOSIC	310.1050 & .1070[h]	33	59											92	849
SPUN YARN - CELLULOSIC	310.4005 & .4030[i]	227	105											332	226
- OTHER	310.4015 & .4027[j]	2619	3160											5779	4266
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385											610	978
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[k]	284	491											775	913
SLIVER, TOPS & ROVING	309.9000	282	239											521	446
TEXTILE GLASS FIBER	309.2800 & .2900[l]	2142	3090											5232	3950
GRAND TOTAL ABOVE		**37875**	**38884**											**76759**	**63757**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0108 & .0208.

c. Also includes 310.0530, .0550, .0630 & .0650.

d. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

e. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

f. Also includes 310.1110 & .1114.

g. Also includes 310.2010 & .2110.

h. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

i. Also includes 310.5030.

j. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & 5051.

k. Also includes 310.9300 & .9500.

l. Chiefly roving. Also includes 309.9800, & .9900.

TABLE 9:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR-TO-DATE 1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3											3	4
OTHER[b]	310.0026	483	499											982	928
MONOFILAMENTS	309.0110	18	3											21	0
STRIPS	309.2210	0	0											0	7
SUBTOTAL ABOVE		**501**	**505**											**1006**	**939**
STAPLE+TOW-RAYON	309.4222	2262	2482											4744	4967
STAPLE-ACETATE	309.4219	175	102											277	145
SUBTOTAL ABOVE		**2437**	**2584**											**5021**	**5112**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**68**	**233**											**301**	**191**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025											3398	4928
- HIGH TENACITY[c]	310.0027	5757	6837											12594	10965
- OTHER	310.0029	638	1276											1914	1885
POLYESTER-TEXTURED	310.0010	7485	8451											15936	13433
- HIGH TENACITY[c]	310.0032	1952	1435											3387	1660
- OTHER[d]	310.0034	735	128											863	2560
OTHER - TEXTURED	310.0014	8990	916											9906	852
- OLEFIN	309.0040	67	951											1018	57
- OTHER	310.0044	212	600											812	1129
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287											663	426
POLYESTER[e]	309.0140	663	503											1166	1101
OTHER	309.0170	283	450											733	2056
STRIPS	309.2220 & .2270	320	283											603	766
SUBTOTAL ABOVE		**28851**	**24142**											**52993**	**41818**
STAPLE - NYLON	309.4240	1111	1230											2341	1651
- POLYESTER	309.4242	8164	8395											16559	33107
- ACRYLIC	309.4245	8607	7909											16516	34362
- OLEFIN	309.4246	1844	1327											3171	1300
- OTHER	309.4247	1124	2228											3352	1630
GROUPED FILAMENTS															
NYLON	309.3220	238	350											588	306
POLYESTER[d]	309.3240	1997	2797											4794	4553
ACRYLIC	309.3250 & .3255	2090	2775											4865	5663
SUBTOTAL ABOVE		**25175**	**27011**											**52186**	**82572**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	299	806											1105	499
- POLYESTER	309.7630	3848	5678											9526	6956
- ACRYLIC	309.7640	569	624											1193	633
- OTHER	309.7660	3831	4801											8632	1747
SUBTOTAL ABOVE		**8547**	**11909**											**20456**	**9835**
TOTAL MAN-MADE FIBER ABOVE		**65579**	**66384**											**131963**	**140467**
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551											8906	10868
GRAND TOTAL ABOVE		**69934**	**70935**											**140869**	**151335**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 10:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA - REVISED

MILLION POUNDS

ITEM	1985												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN[k]	**17.3**	**16.7**	**17.7**	**18.6**	**19.0**	**16.4**	**16.2**	**17.5**	**17.5**	**17.6**	**16.8**	**18.8**	**210.1**	**198.3**
NYLON[e] - INDUSTRIAL[f]	32.1	31.0	33.1	27.6	28.7	24.0	26.3	28.4	31.4	25.6	25.8	31.1	345.1	375.1
- LOW DENIER INDUSTRIAL[g]	2.6	2.5	2.4	2.5	2.3	1.9	2.0	2.4	2.5	2.5	2.5	2.4	28.5	34.0
- CARPET	57.1	51.9	59.5	69.2	72.7	69.9	69.9	79.4	80.0	76.7	66.6	82.5	835.4	794.9
- TEXTILE	30.5	27.0	27.5	27.8	27.9	23.5	23.7	27.1	29.1	27.9	26.6	28.2	326.8	353.4
POLYESTER - INDUSTRIAL[f]	26.4	24.5	25.3	26.4	25.4	21.6	21.4	23.6	23.8	25.1	24.1	24.5	292.1	313.1
- LOW DENIER INDUSTRIAL[g]	1.6	1.6	1.4	2.0	2.0	2.0	1.7	2.0	2.4	2.2	1.9	2.1	22.9	24.8
- TEXTILE	69.5	75.6	81.9	89.6	89.3	83.9	80.4	86.7	96.2	87.0	80.4	77.0	997.5	860.2
OLEFIN[h]	73.5	75.8	77.9	80.7	83.5	85.6	71.8	84.4	81.4	75.4	77.2	83.9	951.1	742.1
TOTAL NONCELLULOSIC ABOVE[i]	**293.3**	**289.9**	**309.0**	**325.8**	**331.8**	**312.4**	**297.2**	**334.0**	**346.8**	**322.4**	**305.1**	**331.7**	**3799.4**	**3497.6**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**29.0**	**25.0**	**27.7**	**30.0**	**30.5**	**29.6**	**30.4**	**32.8**	**29.7**	**33.6**	**29.7**	**30.7**	**358.7**	**384.0**
NYLON[e]	70.5	60.6	65.0	67.9	71.2	66.7	68.2	74.2	73.7	75.6	68.0	82.0	843.6	831.3
ACRYLIC+MODACRYLIC	51.5	55.0	57.8	54.9	56.7	50.5	52.5	55.3	57.5	58.7	48.5	44.9	643.8	666.2
POLYESTER	162.4	169.5	175.4	177.4	183.8	162.2	149.4	168.5	173.6	180.8	167.7	167.9	2038.6	2192.4
OLEFIN+VINYON	21.4	23.1	23.7	24.5	26.0	23.4	20.5	27.5	26.0	24.9	25.9	21.3	288.2	246.7
TOTAL NONCELLULOSIC ABOVE	**305.8**	**308.2**	**321.9**	**324.7**	**337.7**	**302.8**	**290.6**	**325.5**	**330.8**	**340.0**	**310.1**	**316.1**	**3814.2**	**3936.6**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN[k]	**18.2**	**18.2**	**18.9**	**19.2**	**19.2**	**19.4**	**19.9**	**17.9**	**16.6**	**15.2**	**13.4**	**12.3**	**12.3**	**12.4**
NYLON[e] - INDUSTRIAL[f]	28.8	30.6	29.4	32.0	27.5	29.9	32.3	29.7	29.5	28.6	27.2	25.5	25.5	27.4
- LOW DENIER INDUSTRIAL[g]	6.2	6.2	6.1	6.1	5.8	5.6	6.0	6.4	6.3	6.0	5.7	5.4	5.4	5.9
- CARPET	68.0	69.5	71.1	58.2	51.9	52.9	55.5	49.5	45.2	41.9	45.5	46.4	46.4	63.0
- TEXTILE	43.1	45.0	47.7	47.5	46.6	48.2	45.7	39.4	40.1	36.9	37.3	42.4	42.4	44.4
POLYESTER - INDUSTRIAL[f]	24.3	23.2	23.9	24.3	26.2	29.2	28.9	27.8	28.5	25.0	21.4	24.2	24.2	22.1
- LOW DENIER INDUSTRIAL[g]	2.8	2.7	2.8	2.9	3.8	2.8	3.6	2.7	2.7	2.9	3.0	2.8	2.8	2.8
- TEXTILE	79.7	81.6	81.2	80.6	71.2	74.5	80.3	84.2	83.0	84.8	81.1	80.9	80.9	74.6
OLEFIN[h]	62.0	64.3	65.9	64.7	63.3	67.2	63.8	62.2	64.1	61.5	62.3	64.9	64.9	61.5
TOTAL NONCELLULOSIC ABOVE[i]	**314.9**	**323.1**	**328.1**	**316.3**	**296.3**	**310.3**	**316.1**	**301.9**	**299.4**	**287.6**	**283.5**	**292.5**	**292.5**	**301.7**
STAPLE+TOW+FIBERFILL														
RAYON	**30.3**	**31.3**	**32.4**	**31.1**	**29.5**	**26.1**	**27.5**	**24.3**	**22.4**	**19.8**	**21.5**	**22.5**	**22.5**	**26.5**
NYLON[e]	69.7	72.4	74.1	71.1	70.2	69.1	71.0	66.9	68.6	69.4	68.9	62.7	62.7	78.6
ACRYLIC+MODACRYLIC	76.6	75.0	76.1	77.2	75.7	72.5	71.6	66.0	59.3	54.4	53.6	64.4	64.4	77.4
POLYESTER	191.8	192.6	186.9	187.6	187.7	175.7	178.5	156.1	153.1	138.7	140.4	155.0	155.0	173.5
OLEFIN+VINYON	26.1	25.1	24.1	25.5	24.3	22.9	23.9	24.5	24.0	26.6	26.4	29.7	29.7	23.2
TOTAL NONCELLULOSIC ABOVE	**364.2**	**365.1**	**361.2**	**361.4**	**357.9**	**340.2**	**345.0**	**313.5**	**305.0**	**289.1**	**289.3**	**311.8**	**311.8**	**352.7**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	9.6	9.3	13.0	10.9	10.0	11.1	8.7	8.8	11.2	12.1	8.5	9.8	123.0	153.3
CARPET CLASS WOOL	1.2	1.1	1.7	1.1	0.9	0.7	0.8	1.0	1.1	1.1	0.6	0.4	11.7	9.9
TOTAL RAW WOOL	10.8	10.4	14.7	12.0	10.9	11.8	9.5	9.8	12.3	13.2	9.1	10.2	134.7	163.2
RAW COTTON	176.2	193.8	283.2	225.0	204.1	252.1	211.6	218.9	298.7	272.5	204.1	255.8	2796.0	2668.2

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 43 of the March 1985 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 43 of the March 1985 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 43 of the March 1985 issue.

k. Year-to-Date total for 1984; acetate yarn only.

TABLE 11:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1986												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
						TOTAL SHIPMENTS[b]								
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**										**53.3**	**51.7**
NYLON[e] - INDUSTRIAL[f]	26.3	29.5	29.0										84.8	96.2
- CARPET	69.6	71.1	71.1										211.8	168.5
- TEXTILE[k]	30.9	31.1	31.5										93.5	92.5
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9										81.7	76.2
- LOW DENIER INDUSTRIAL[g]	1.9	2.3	2.4										6.6	4.6
- TEXTILE	75.2	75.7	67.4										218.3	227.0
OLEFIN[h]	79.6	88.7	87.2										255.5	227.2
TOTAL NONCELLULOSIC ABOVE[i]	**311.7**	**324.0**	**316.5**										**952.2**	**892.2**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**34.9**	**30.0**	**33.0**										**97.9**	**81.7**
NYLON[e]	70.7	64.1	64.3										199.1	196.1
ACRYLIC+MODACRYLIC	50.2	47.8	52.2										150.2	164.3
POLYESTER	179.9	171.2	173.7										524.8	507.3
OLEFIN+VINYON	24.0	25.4	27.3										76.7	68.2
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**317.5**										**950.8**	**935.9**
						END-OF-MONTH STOCK								
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.0**	**12.2**	**13.3**										**13.3**	**18.9**
NYLON[e] - INDUSTRIAL[f]	23.8	25.6	24.1										24.1	29.4
- CARPET	55.4	51.8	56.3										56.3	71.1
- TEXTILE[k]	49.0	46.1	46.1										46.1	53.8
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9										26.9	23.9
- LOW DENIER INDUSTRIAL[g]	3.3	3.3	3.5										3.5	2.8
- TEXTILE	81.4	87.0	93.1										93.1	81.2
OLEFIN[h]	66.7	68.5	68.6										68.6	65.9
TOTAL NONCELLULOSIC ABOVE[i]	**304.7**	**308.4**	**318.6**										**318.6**	**328.1**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**										**19.7**	**32.4**
NYLON[e]	63.0	70.4	84.1										84.1	74.1
ACRYLIC+MODACRYLIC	66.1	66.3	63.2										63.2	76.1
POLYESTER	147.9	147.3	151.0										151.0	186.9
OLEFIN+VINYON	33.3	33.7	33.9										33.9	24.1
TOTAL NONCELLULOSIC ABOVE	**310.3**	**317.7**	**332.2**										**332.2**	**361.2**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.4												13.4	9.6
CARPET CLASS WOOL	1.0												1.0	1.2
TOTAL RAW WOOL	14.4												14.4	10.8
RAW COTTON	284.6												284.6	176.2

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 43 of the March 1985 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

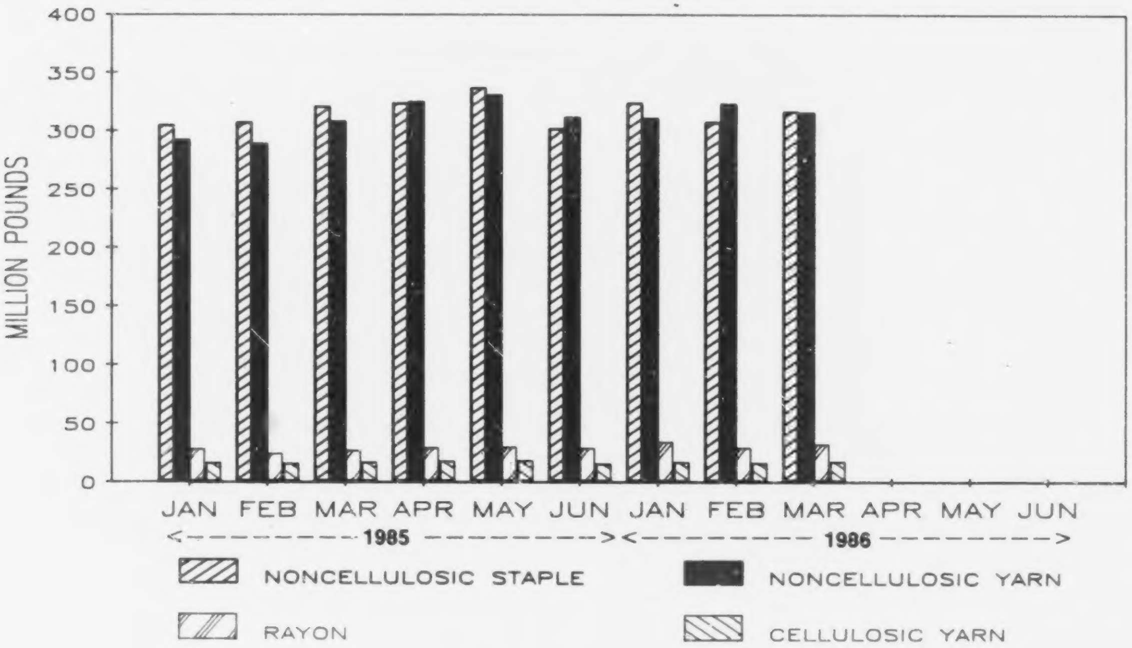
i. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.

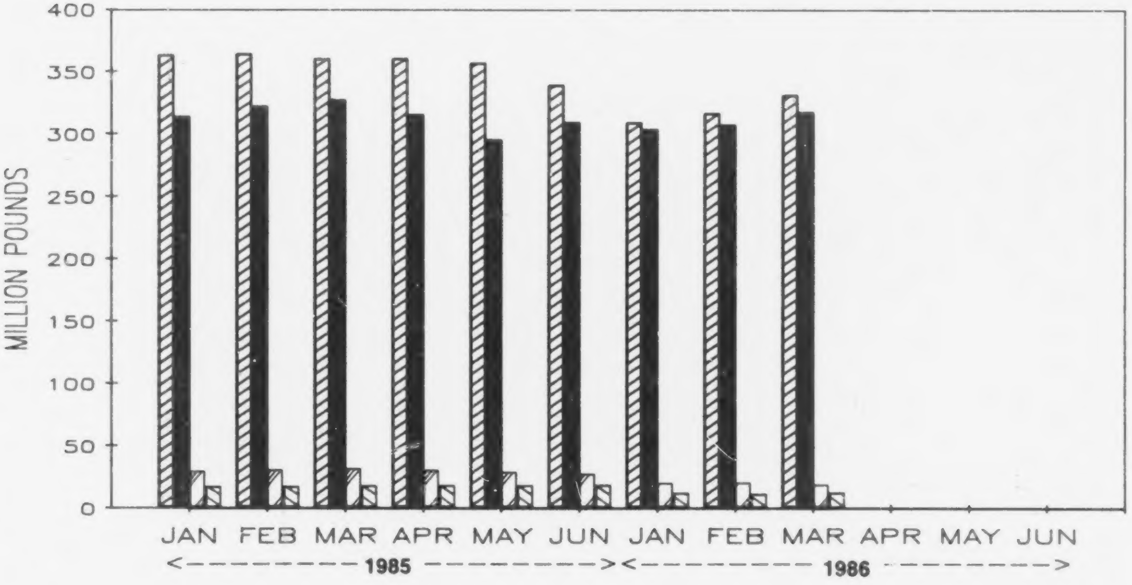
k. Low denier industrial Nylon is now included with Textile.

GRAPH 4:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

TOTAL SHIPMENTS



END-OF-MONTH STOCK



C8850-1

TEXTILE
Organon

Volume 57, No. 5 ☐ May 1986

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

***Textile Organon** Features:*

1985 Per Capita Consumption Review
... begins on page 84.

May Capacity Survey Analysis
... begins on page 89.

Trade Barometer
... begins on page 93.

In April, shipments of noncellulosic yarn+monofilaments increased to 320.4 million pounds, up 1.2% from the 316.5 million pounds shipped in March.

- ***Cellulosic yarn*** shipments rose to the highest level since May 1985.
- ***Nylon carpet yarn*** shipments increased to the highest level since January of this year.
- ***Nylon textile yarn*** shipments advanced to the highest level since January 1985.
- ***Polyester textile yarn*** shipments fell by 1½%.

Shipments of noncellulosic staple+tow rose by 4% to 331.8 million pounds.

- ***Polyester staple+tow*** shipments reached the highest level since last October.
- ***Acrylic staple+tow*** deliveries rose to the highest level since October 1985.
- ***Nylon staple+tow*** shipments advanced to the highest level since February.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT*

ITEM	1966			1985		YEAR TO DATE		
	APR	MAR	%[a]	APR	%[b]	1986	1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**19.4**	**18.3**	*+6.0*	**18.6**	*+4.3*	**72.7**	**70.3**	*+3.4*
NYLON[d] - INDUSTRIAL	29.1	28.8	*+1.0*	27.6	*+5.4*	113.7	123.8	*-8.2*
- CARPET	75.7	71.1	*+6.5*	69.2	*+9.4*	287.5	237.7	*+21.0*
- TEXTILE[e]	32.7	31.7	*+3.2*	30.3	*+7.9*	126.4	122.8	*+2.9*
POLYESTER - INDUSTRIAL	26.7	27.9	*-4.3*	26.4	*+1.1*	108.4	102.6	*+5.7*
- LOW DENIER INDUSTRIAL	2.0	2.4	*-16.7*	2.0	--	8.6	6.6	*+30.3*
- TEXTILE	66.3	67.4	*-1.6*	89.6	*-26.0*	284.6	316.6	*-10.1*
OLEFIN	87.9	87.2	*+0.8*	80.7	*+8.9*	343.4	307.9	*+11.5*
TOTAL NONCELLULOSIC ABOVE	**320.4**	**316.5**	*+1.2*	**325.8**	*-1.7*	**1272.6**	**1218.0**	*+4.5*
STAPLE+TOW+FIBERFILL								
RAYON	**32.7**	**33.0**	*-0.9*	**30.0**	*+9.0*	**130.6**	**111.7**	*+16.9*
NYLON[d]	67.1	64.3	*+4.4*	67.9	*-1.2*	266.2	264.0	*+0.8*
ACRYLIC+MODACRYLIC	55.7	52.2	*+6.7*	54.9	*+1.5*	205.9	219.2	*-6.1*
POLYESTER	180.8	173.7	*+4.1*	177.4	*+1.9*	705.6	684.7	*+3.1*
OLEFIN+VINYON	28.2	28.7	*-1.7*	24.5	*+15.1*	106.3	92.7	*+14.7*
TOTAL NONCELLULOSIC ABOVE	**331.8**	**318.9**	*+4.0*	**324.7**	*+2.2*	**1284.0**	**1260.6**	*+1.9*

-- Means no change

[a] Percent change from previous month to current month.

[b] Percent change to current month from same month last year.

[c] Percent change from cumulative total last year to cumulative total this year.

[d] Nylon excludes Aramid.

[e] Low denier industrial Nylon is included with Textile.

Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

MAY 1986

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

Copyright ©1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates (payable in U.S. dollars with order):

Item	U.S.A.	Other
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues:		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

CONTENTS

Features

1985 Per Capita Consumption Review 84-88
- Graph 1: Per Capita Consumption 84
- Graph 2: Comparison of Population, GNP & Per Capita Consumption 85
- U.S. Population, GNP & Per Capita GNP 86
- U.S. Average Annual Fiber Available for Consumption 86
- Domestic Consumption of Fiber & Products 86
- Mill Consumption by Fiber 87
- Percent Analysis of Population, GNP & Man-Made Fiber, Cotton & Wool 87
- Raw Fiber Equivalent of Imports of Manufactures & Consumption of Fibers 88
- Per Capita Consumption of Imports of Manufactures & Consumption of Fibers 88

May Capacity Survey Analysis 89-92
- Graph 3: Industry Capacity Utilization 89
- U.S. Man-Made Fiber Production & Producing Capacity 90
- Noncellulosic Fiber Capacity Detail 91
- Graph 4: Noncellulosic Yarn vs. Staple 91
- Graph 5: Nylon Carpet Yarn Capacity Utilization 92
- Graph 6: Polyester Textile Yarn Capacity Utilization 92
- Graph 7: Polyester Staple+Tow Capacity Utilization 92

Industry Regulars

- Total Man-Made Fiber Shipments 81

Datagram 83

Trade Barometer 93-100
- Graph 8: Imports vs. Exports of Man-Made Fiber 93
- Graph 9: Man-Made Fiber Monthly Trade Balance Detail 94
- Man-Made Fiber Monthly Trade Balance 94

Monthly U.S. Man-Made Fiber Data 95-97
- Imports By Country of Origin 95
- Imports For Consumption By Fiber 96
- Exports By Fiber 97

Quarterly Man-Made Fiber Data 98-99
- Filament Yarn Domestic Shipments 98
- Staple+Tow Domestic Shipments 99

Selected U.S. Monthly Textile Fiber Data 100

MAY CAPACITY UTILIZATION

Total industry capacity (excluding textile glass fiber) fell to 10,005 million pounds, down 3½% from the 10,372 million pounds recorded in the November 1985 Survey.

Noncellulosic staple+tow capacity fell from 4,890 million pounds to 4,728 million pounds, as of the November 1985 Capacity Survey, with major cut backs in polyester staple+tow and acrylic+modacrylic.

The noncellulosic filament yarn capacity dropped from 4,698 million pounds to 4,568 million pounds, or nearly 3% from the November 1985 Capacity Survey.

PER CAPITA FIBER CONSUMPTION SHOWS SMALL IMPROVEMENT FROM 1984

In 1985, the per capita consumption of all fibers (excluding non-textile glass fiber) improved slightly from 54.9 pounds to 55,7 pounds, up 1½%.

Man-Made fiber per capita consumption increased to 37.3 pounds in 1985, or almost 1% from 1984, despite the exclusion of textile and non-textile glass fiber in 1985.

Cotton consumption rose to 17.0 pounds in 1985, up 3% from the 1984 level of 16.5 pounds. This increase can be attributed to greater cotton imports into the United States.

Wool consumption remained unchanged in 1985 over 1984 and stood at 1.4 pounds.

EASTMAN WILL END POY PRODUCTION AT KINGSPORT FACILITY

Eastman Kodak's Chemical division will soon phase out production of Kodel partially oriented polyester filament yarn (POY) at its Kingsport, TN facility and will consolidate production of this fiber at its Carolina Eastman plant in Columbia, SC. The consolidation will be completed by August 1986 and will end all polyester filament production at Kingsport.

According to Tom Shealy, V.P. Textile Fibers at Eastman, this phaseout does not reduce Eastman's commitment to the textile industry. On the contrary, this will strengthen Eastman as a more viable POY supplier. (DNR 5/2/86)

AVTEX TO BUILD ES FIBER PLANT IF MARKET GROWTH MATERIALIZES

Avtex Fibers Inc., is planning to build a new facility to produce bicomponent ES fibers within 6 - 12 months, if enough interest should develop. The facility will be located in the Front Royal, VA plant, and is expected to produce a minimum of 10 - 15 million pounds of fiber annually. ES fibers are directed at the nonwovens industry. Some end uses for the fibers, according to James E. Crutchfield, will include sanitary products, medical applications, industrial wipes, filtration products and batting for skiwear, robes and sleeping bags. (DNR 5/5/86)

1985 PER CAPITA CONSUMPTION REVIEW

Marginal Growth from 1984

Per capita consumption of all textile fibers (excluding non-textile glass fiber) grew to 55.7 pounds in 1985, a rise of 1½%, over 1984.

In 1985, per capita consumption was at its highest level since 1978, when an average 55.9 pounds of textile fiber were consumed by each person in the United States (Table 3B). It is interesting to note that though domestic consumption of fiber reached an all-time high in 1985 of 13,360.3 million pounds, not including textile and non-textile glass fiber, the per capita consumption of fiber was only at its fourth highest level since 1970.

Although 1985 was a relatively good year in terms of per capita consumption, industry trends tell a different story.

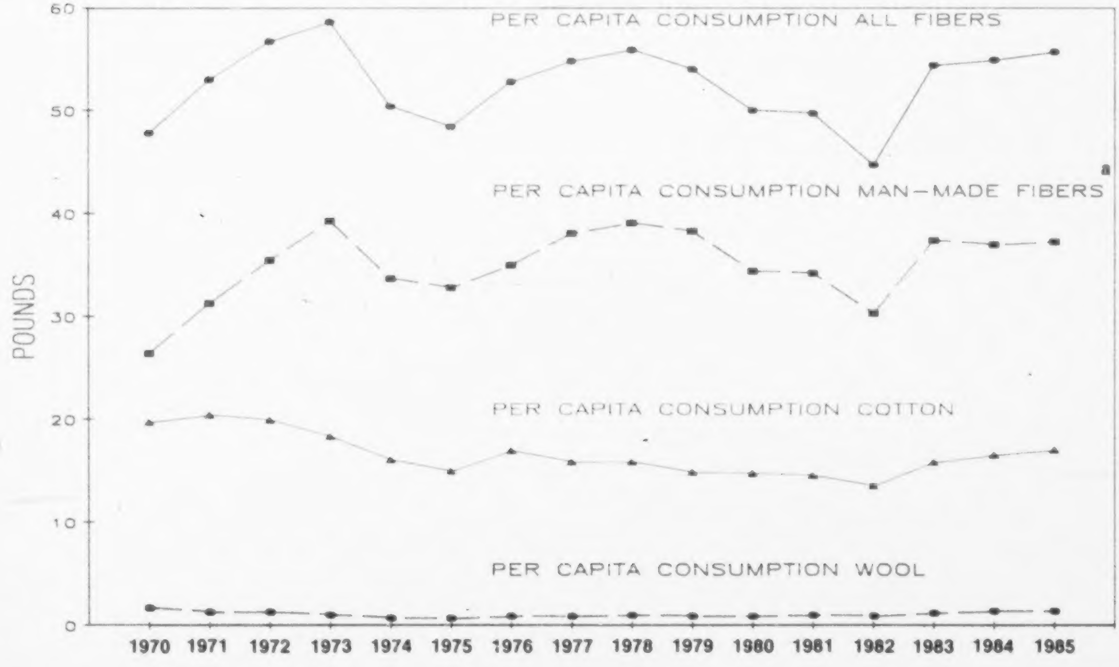
In the face of a rising general economy, with growth in not only per capita GNP but also population, the per capita consumption of textile fibers exhibits a small improvement (Graph 2). Since 1970, per capita GNP grew at a rate of 1.5%, while per capita textile fiber consumption increased at a rate of 0.8%.

TABLE & GRAPH SUMMARY

Tables and graphs contained in this feature are described below:

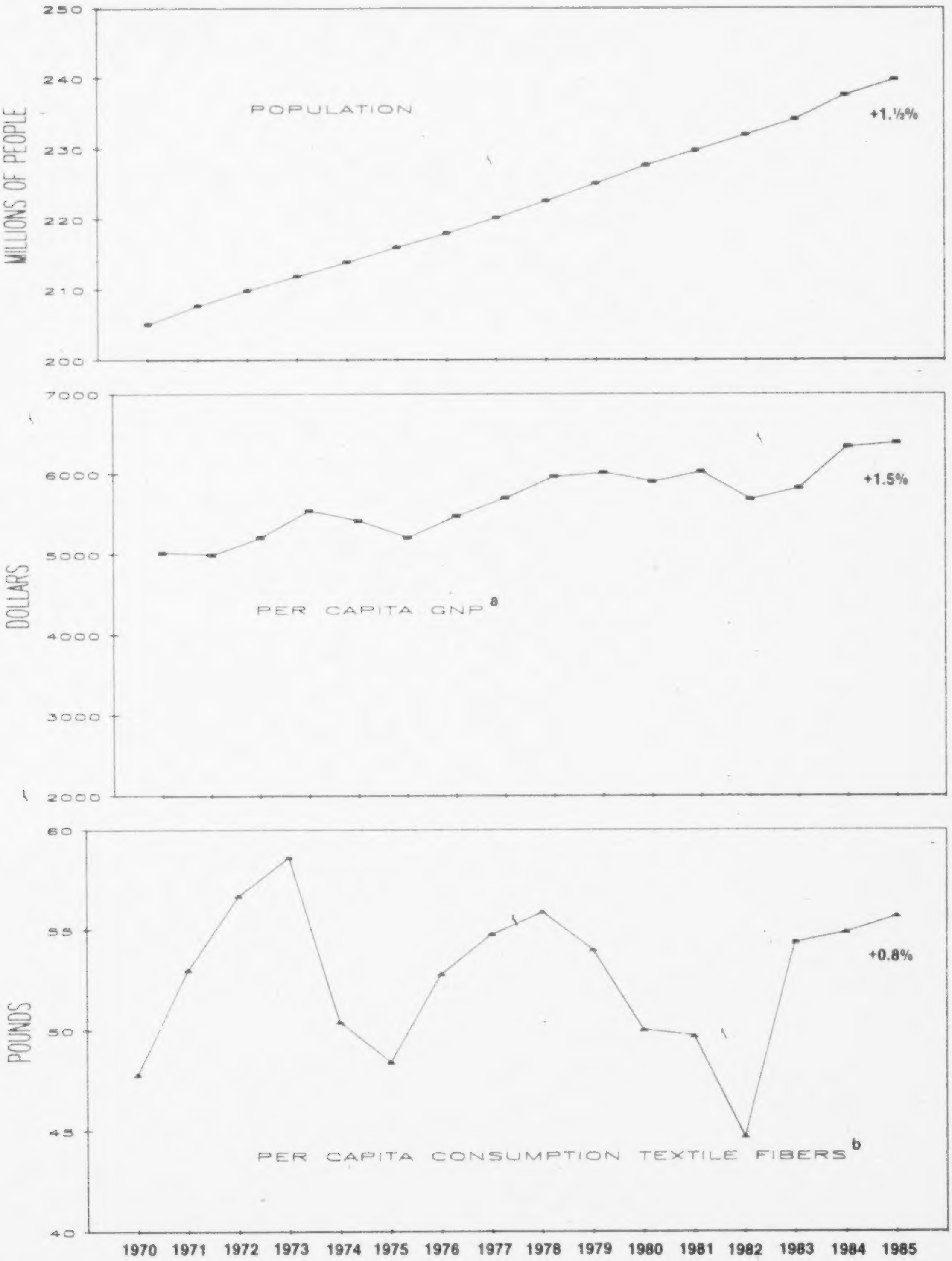
Table 2:	Per capita GNP derived by dividing GNP data by population.
Table 3A:	Per capita consumption of textile fibers including both textile and non-textile glass fiber. This table is consistant with data previously published in the *Textile Organon*.
Table 3B:	Per capita consumption of textile fibers including only textile glass fiber.
Table 4:	Summary of domestic consumption data used to calculate the per capita consumption data found in Tables 3A and 3B.
Table 5:	Summary of mill consumption of all fibers, excluding non-textile glass fiber.
Table 6:	Percentage change and relative growth over time of population, per capita GNP and per capita consumption of the various textile fibers.
Table 7:	Summary of imports of semi-manufactured and manufactured products.
Table 8:	Listing of aforementioned imports in per capita terms and their percentage growth over time in relation to overall per capita domestic consumption.
Graph 1:	Per capita consumption of all fibers as taken from the data in Table 3B.
Graph 2:	Growth in population and per capita GNP since 1970 in relation to the declining trend of per capita GNP data are taken from Table 2, while the per capita fiber consumption data are taken from Table 3B.

GRAPH 1: PER CAPITA CONSUMPTION
(EXCLUDING NON-TEXTILE GLASS FIBER)



a. Does not include textile and non-textile glass fiber in 1985.

GRAPH 2: COMPARISON OF POPULATION, GNP & PER CAPITA CONSUMPTION OF TEXTILE FIBERS



[a] In billions of 1982 dollars.

[b] Man-made fiber (excluding textile glass fiber) cotton & wool. 1985 does not include textile and non-textile glass fiber.

TABLE 2:
U.S. POPULATION, GROSS NATIONAL PRODUCT (GOODS PRODUCED)[a] & PER CAPITA GROSS NATIONAL PRODUCT

YEAR	POPULATION[b]	GNP	PER CAPITA[c]
1970	205.1	1030.0	5,022
1971	207.7	1037.6	4,996
1972	209.9	1093.8	5,211
1973	211.9	1175.0	5,545
1974	213.9	1159.2	5,419
1975	216.0	1125.0	5,208
1976	218.0	1194.7	5,480
1977	220.2	1256.2	5,705
1978	222.6	1329.1	5,971
1979	225.1	1354.6	6,018
1980	227.7	1344.2	5,903
1981	229.8	1386.0	6,031
1982	232.0	1319.1	5,686
1983	234.2	1364.4	5,826
1984	237.6	1506.4	6,340
1985	239.8	1532.4	6,390

Source: *Current Population Reports, U.S. Dept of Commerce Bureau of the Census.*
Survey of Current Business, U.S. Dept. of Commerce and Economic Report to the President.

a. In billions of 1982 dollars.
b. In millions.
c. In dollars.

TABLE 3A:
U.S. AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION[a] - INCLUDING TEXTILE & NON-TEXTILE GLASS FIBER

POUNDS

PERIOD[b]	POPU-LATION	PER CAPITA MAN-MADE FIBER	COTTON	WOOL	TOTAL
1920-1924	110.2	0.2	23.8	4.0	28.0
1925-1929	118.9	0.7	26.0	3.6	30.3
1930-1934	124.9	1.4	20.5	2.6	24.5
1935-1939	129.1	2.7	24.9	3.4	31.0
1940-1944	135.1	4.7	35.1	4.5	44.3
1945-1949	144.2	6.6	28.0	4.8	39.4
1950-1954	157.6	9.0	26.9	3.8	39.7
1955-1959	171.9	10.3	23.7	3.0	37.0
1960-1964	186.4	12.9	22.6	3.0	38.5
1965-1969	198.6	22.9	23.0	2.5	48.4
1970-1974	209.7	35.1	18.9	1.2	55.2
1975-1979	220.4	39.5	15.6	0.9	56.0
1965	194.2	18.3	23.9	2.9	45.1
1966	196.5	20.2	25.1	2.7	48.0
1967	198.7	21.4	23.5	2.2	47.1
1968	200.7	26.7	21.9	2.4	51.0
1969	202.7	27.9	20.9	2.2	51.0
1970	205.1	27.7	19.7	1.7	49.1
1971	207.7	32.9	20.4	1.3	54.6
1972	209.9	37.5	19.9	1.3	58.7
1973	211.9	41.7	18.3	1.0	61.0
1974	213.9	35.9	16.0	0.7	52.6
1975	216.0	34.7	14.9	0.7	50.3
1976	218.0	37.5	16.9	0.9	55.3
1977	220.2	41.1	15.8	0.9	57.8
1978	222.6	42.4	15.8	1.0	59.2
1979	225.1	41.6	14.8	0.9	57.3
1980	227.7	37.5	14.7	0.9	53.1
1981	229.8	37.9	14.5	1.0	53.4
1982	232.0	33.6	13.5	0.9	48.0
1983	234.2	41.7	15.8	1.2	58.7
1984	237.6	41.7	16.5	1.4	59.6
1985	239.8	[c]37.3	17.0	1.4	55.7

a. Based on total U.S. domestic consumption (Mill Consumption plus imports less exports of semimanufactured and manufactured products).
b. Five-year coverages for 1920-1979 and annual data for 1965-1985.
c. Does not include textile and non-textile glass fiber.

TABLE 3B:
U.S. AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION - EXCLUDING NON-TEXTILE GLASS FIBER

POUNDS

YEAR	PER CAPITA MAN-MADE FIBER	COTTON	WOOL	TOTAL
1970	26.4	19.7	1.7	47.8
1971	31.3	20.4	1.3	53.0
1972	35.5	19.9	1.3	56.7
1973	39.3	18.3	1.0	58.6
1974	33.7	16.0	0.7	50.4
1975	32.8	14.9	0.7	48.4
1976	35.0	16.9	0.9	52.8
1977	38.1	15.8	0.9	54.8
1978	39.1	15.8	1.0	55.9
1979	38.3	14.8	0.9	54.0
1980	34.4	14.7	0.9	50.0
1981	34.2	14.5	1.0	49.7
1982	30.3	13.5	0.9	44.7
1983	37.4	15.8	1.2	54.4
1984	37.0	16.5	1.4	54.9
1985	[a]37.3	17.0	1.4	55.7

a. Does not include textile and non-textile glass fiber.

TABLE 4:
DOMESTIC CONSUMPTION OF FIBER & PRODUCTS

MILLION POUNDS

YEAR	MAN-MADE FIBER (Non-Add)[a]	MAN-MADE FIBER[b]	COTTON	WOOL	TOTAL
1970	5683.1	5422.8	4037.5	354.3	9814.6
1971	6833.6	6508.7	4231.3	276.1	11016.1
1972	7868.6	7458.2	4170.1	279.3	11907.6
1973	8841.3	8322.6	3881.6	212.6	12416.8
1974	7678.6	7202.4	3416.3	146.8	10765.5
1975	7494.5	7081.2	3216.3	161.4	10458.9
1976	8179.8	7639.2	3684.4	198.7	11522.3
1977	9050.6	8400.3	3469.7	208.3	12078.3
1978	9428.6	8695.6	3530.1	222.2	12447.9
1979	9374.4	8625.3	3334.5	201.0	12160.8
1980	8529.2	7832.6	3352.2	199.1	11383.9
1981	8704.9	7863.4	3325.4	234.0	11422.8
1982	7788.5	7034.6	3122.7	218.8	10376.1
1983	9769.3	8772.8	3711.5	274.7	12759.0
1984	9917.3	8800.1	3928.4	337.5	13066.0
1985	NA	[c]8934.5	4083.8	342.0	13360.3

NA Means not available.
a. Includes ***both*** textile and non-textile types of glass fiber.
b. Includes ***only*** textile glass fiber.
c. Does not include textile and non-textile glass fiber.

TABLE 5:
MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	GLASS[d]	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.1	3.8	0.3	9.2
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.1	4.0	0.2	10.3
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.2	3.9	0.2	11.3
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.2	3.6	0.2	12.0
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.2	3.3	0.1	10.7
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.1	3.1	0.1	10.2
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.1	3.4	0.1	11.0
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.1	3.2	0.1	11.5
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.2	3.0	0.1	11.7
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.2	3.1	0.1	12.0
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.2	3.1	0.1	11.3
1981	0.5	0.2	2.2	3.5	0.5	0.8	0.1	2.7	0.2	10.7
1982	0.3	0.2	1.9	2.9	0.5	0.8	0.1	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.4	0.5	0.9	0.2	2.8	0.2	11.0
1984	0.4	0.2	2.4	3.2	0.5	1.0	0.2	2.7	0.2	10.8
1985	0.5[e]		2.4	3.1	0.5	1.2	NA	2.8	0.1	10.6

NA Means not available.

a. Includes triacetate. Cigarette tow is excluded.
b. Includes aramid for all years but 1983, 1984 & 1985.
c. Includes modacrylic.
d. Includes only glass fibers for Textile End Uses.
e. Rayon and Acetate combined.

TABLE 6:
PERCENT ANALYSIS OF POPULATION, PER CAPITA GNP (Goods Produced) AND PER CAPITA CONSUMPTION OF MAN-MADE FIBER[c], COTTON & WOOL

1970-1985

YEAR	POPULATION	%[a]	%[b]	PER CAPITA GNP	%[a]	%[b]	PER CAPITA CONSUMPTION MAN-MADE FIBER	%[a]	%[b]	PER CAPITA CONSUMPTION COTTON	%[a]	%[b]	PER CAPITA CONSUMPTION WOOL	%[a]	%[b]	PER CAPITA CONSUMPTION ALL FIBERS	%[a]	%[b]
1970	205.1	--	--	5,022	--	--	26.4	--	--	19.7	--	--	1.7	--	--	47.8	--	--
1971	207.7	+1.3	+1.3	4,996	-0.5	-0.5	31.3	+18.6	+18.6	20.4	+3.6	+3.6	1.3	-23.5	-23.5	53.0	+10.9	+10.9
1972	209.9	+1.1	+2.3	5,211	+4.3	+3.8	35.5	+13.4	+34.5	19.9	-2.5	+1.0	1.2	--	-23.5	56.7	+7.0	+18.6
1973	211.9	+1.0	+3.3	5,545	+6.4	+10.4	39.3	+10.7	+48.9	18.3	-8.0	-7.1	1.0	-23.1	-41.2	58.6	+3.4	+22.6
1974	213.9	+0.9	+4.3	5,419	-2.3	+7.9	33.7	-14.2	+27.7	16.0	-12.6	-18.8	0.7	-30.0	-58.8	50.4	-14.0	+5.4
1975	216.0	+1.0	+5.3	5,208	-3.9	+3.7	32.8	-2.7	+24.2	14.9	-6.9	-24.4	0.7	--	-58.8	48.4	-4.0	+1.3
1976	218.0	+0.9	+6.3	5,480	+5.2	+9.1	35.0	+6.7	+32.6	16.9	+13.4	-14.2	0.9	+28.6	-47.1	52.8	+9.1	+10.5
1977	220.2	+1.0	+7.4	5,705	+4.1	+13.6	38.1	+8.9	+44.3	15.8	-6.5	-19.8	0.9	--	-47.1	54.8	+3.8	+14.6
1978	222.6	+1.1	+8.5	5,971	+4.7	+18.9	39.1	+2.6	+48.1	15.8	--	-19.8	1.0	+11.1	-41.2	55.9	+2.0	+16.9
1979	225.1	+1.1	+9.8	6,018	+0.8	+19.8	38.3	-2.0	+45.1	14.8	-6.3	-24.9	0.9	-10.0	-47.1	54.0	-3.4	+13.0
1980	227.7	+1.2	+11.0	5,903	-1.9	+17.5	34.4	-10.2	+30.3	14.7	-0.7	-25.4	0.9	--	-47.1	50.0	-7.4	+4.6
1981	229.8	+0.9	+12.0	6,031	+2.2	+20.1	34.2	-0.6	+29.5	14.5	-1.4	-26.4	1.0	+11.1	-41.2	49.7	-0.6	+4.0
1982	232.0	+1.0	+13.1	5,686	-5.7	+13.2	30.3	-11.4	+14.8	13.5	-6.9	-31.5	0.9	-10.0	-47.1	44.7	-10.1	-6.5
1983	234.2	+0.9	+14.2	5,826	+2.5	+16.0	37.4	+23.4	+41.7	15.8	+17.0	-19.8	1.2	+33.3	-29.4	54.4	+21.7	+13.8
1984	237.6	+1.5	+15.8	6,340	+8.8	+26.2	37.0	-1.1	+40.2	16.5	+4.4	-16.2	1.4	+16.7	-17.6	54.9	+0.9	+14.9
1985	239.8	+0.9	+16.9	6,390	+0.8	+27.2	37.3[d]	+0.8	+41.3	17.0	+3.0	-13.7	1.4	--	-17.6	55.7	+1.5	+16.5

Population is in millions of people.
Per Capita GNP is in dollars.
All other Per Capita Consumption data are in pounds.
All data are taken from the tables on page 86.

– Means no change.
a. Percent change year to year.
b. Percent change since 1970.
c. Man-made fiber data exclude non-textile glass fiber
d. Excludes textile and non-textile glass fiber.

TABLE 7:
RAW FIBER EQUIVALENT OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	MAN-MADE FIBER						COTTON						WOOL					
	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985	1980	1981	1982	1983	1984	1985
IMPORTS																		
SEMIMANUFACTURED PRODUCTS																		
YARN, THREAD, ETC.	30.2	34.9	38.2	58.0	71.0	64.7	19.4	24.1	28.5	42.1	54.6	56.3	4.2	5.0	7.7	7.6	16.3	14.1
CLOTH	81.4	106.2	105.7	138.0	170.4	153.2	258.4	350.3	266.5	346.3	450.8	421.2	21.1	27.8	25.6	28.1	39.0	36.4
SUBTOTAL	**111.6**	**141.1**	**143.9**	**196.0**	**241.4**	**217.9**	**277.8**	**374.4**	**295.0**	**388.4**	**505.4**	**477.5**	**25.3**	**32.8**	**33.3**	**35.7**	**55.3**	**50.5**
MANUFACTURED PRODUCTS																		
WEARING APPAREL	378.6	437.1	486.5	576.0	688.9	790.1	463.8	504.0	510.5	622.8	759.5	783.4	41.7	40.9	46.4	58.8	80.8	114.7
INDUSTRIAL	0.1	0.3	1.1	1.3	0.4	0.9	10.1	8.8	10.0	14.3	37.6	32.4	NOMINAL POUNDAGES INCLUDED IN OTHER					
HOME FURNISHINGS	50.3	60.6	66.5	296.1	411.3	374.8	45.4	59.5	67.0	78.0	138.9	169.7	17.3	18.5	19.6	34.8	52.1	60.8
ALL OTHER							13.8	15.2	14.7	31.9	23.4	38.6	0.8	0.9	0.8	2.6	1.2	0.6
SUBTOTAL	**429.0**	**498.0**	**554.1**	**873.4**	**1100.6**	**1165.8**	**533.1**	**587.5**	**602.2**	**747.0**	**959.4**	**1024.1**	**59.8**	**60.3**	**66.8**	**96.2**	**134.1**	**176.1**
TOTAL IMPORTS	**540.6**	**639.1**	**698.0**	**1069.4**	**1342.0**	**1383.7**	**810.9**	**961.9**	**897.2**	**1135.4**	**1464.8**	**1501.6**	**85.1**	**93.1**	**100.1**	**131.9**	**189.4**	**226.6**

All of these data are taken from the table on page 55, March 1986 *Textile Organon.*

TABLE 8:
PER CAPITA CONSUMPTION OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES AS COMPARED TO PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL

POUNDS & *Percent*

YEAR	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MAN-MADE FIBER					COTTON					WOOL										
	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	MAN-MADE FIBER	%[a]	COTTON	%[a]	WOOL	%[a]
1978	2.9	--	1.9	--	*65.5*	3.8	--	1.9	--	*50.0*	0.4	--	0.2	--	*50.0*	39.1	--	15.8	--	1.0	--
1979	2.3	*-20.7*	1.6	*-15.8*	*69.6*	3.3	*-13.2*	1.9	--	*57.6*	0.4	--	0.2	--	*50.0*	38.3	*-2.0*	14.8	*-6.3*	0.9	*-10.0*
1980	2.4	*+4.3*	1.7	*+6.2*	*70.8*	3.6	*+9.1*	2.0	*+5.3*	*55.6*	0.4	--	0.2	--	*50.0*	34.4	*-10.2*	14.7	*-0.7*	0.9	--
1981	2.8	*+16.7*	1.9	*+11.8*	*67.9*	4.2	*+16.7*	2.2	*+10.0*	*52.4*	0.4	--	0.2	--	*50.0*	34.2	*-0.6*	14.5	*-1.4*	1.0	*+11.1*
1982	3.0	*+7.1*	2.1	*+10.5*	*70.0*	3.9	*-7.1*	2.2	--	*56.4*	0.4	--	0.2	--	*50.0*	30.3	*-11.4*	13.5	*-6.9*	0.9	*-10.0*
1983	4.6	*+53.3*	2.5	*+19.0*	*54.3*	4.8	*+23.1*	2.7	*+22.7*	*56.3*	0.6	*+50.0*	0.3	*+50.0*	*50.0*	37.4	*+23.4*	15.8	*+17.0*	1.2	*+33.3*
1984	5.6	*+21.7*	2.9	*+16.0*	*51.8*	6.2	*+29.2*	3.2	*+18.5*	*51.6*	0.8	*+33.3*	0.3	--	*37.5*	37.0	*-1.1*	16.5	*+4.4*	1.4	*+16.7*
1985	5.8	*+3.6*	3.3	*+13.8*	*56.9*	6.3	*+1.6*	3.3	*+3.1*	*52.4*	0.9	*+12.5*	0.5	*+66.7*	*55.6*	37.3	*+0.8*	17.0	*+3.0*	1.4	--

-- Means no change.

a. Percent change from previous year.

b. Percent of total imports of semimanufactured & manufactured products.

MAY 1986 CAPACITY SURVEY ANALYSIS

Capacity Utilization Rises

Capacity utilization rates rose during the first four months of 1986. Based on annualized January-April production data and May 1986 Capacity Survey results, the capacity utilization rate for the U.S. man-made fiber industry stood at 84.1%, as compared to 78.3% in 1985 (Graph 3).

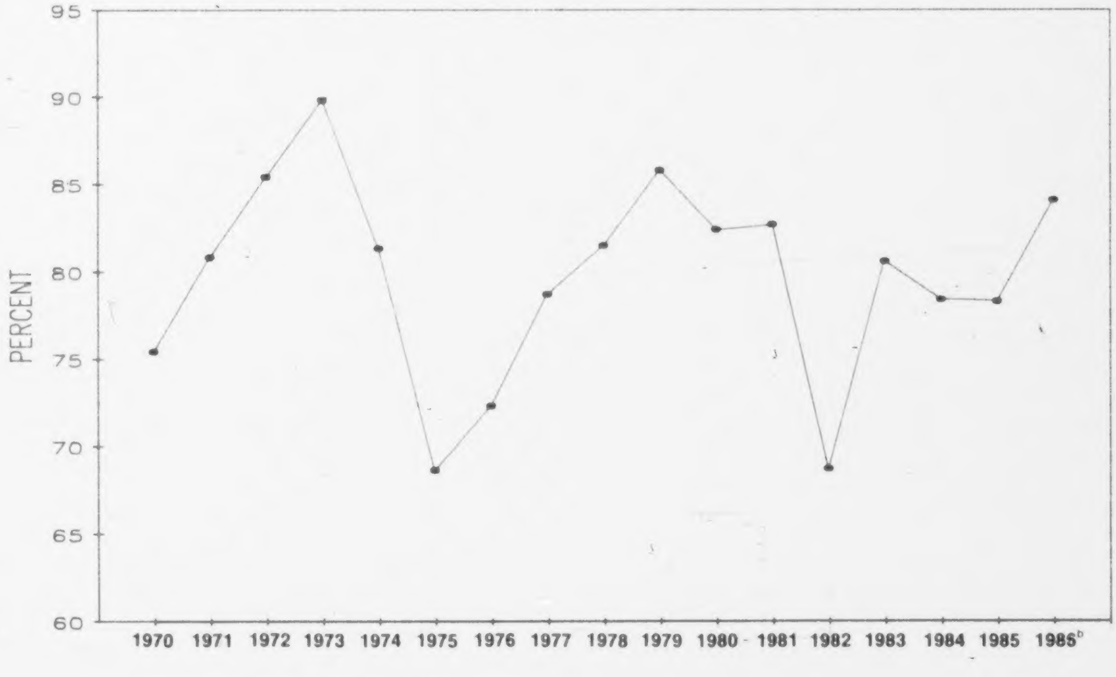
Even though utilization rates rose, total industry capacity (excluding textile glass fiber) declined to 10,005 million pounds, down 3½% from the 10,372 million pounds recorded in the November 1985 Survey.

Noncellulosic staple+tow capacity dropped from 4,980 million pounds as of the November 1985 ***Organon*** Capacity Survey, to 4,728 million pounds (Table 9B).

Since November 1985, filament yarn capacity declined from 4,698 million pounds to 4,568 million pounds due to a decline in nylon textile and olefin capacity. (Table 9B).

With this most current Survey, the gap between noncellulosic staple+tow and noncellulosic filament yarn capacity narrowed to 160 million pounds, down from a difference of 192 million pounds in November 1985.

GRAPH 3:
INDUSTRY CAPACITY UTILIZATION[a]



a. Cellulosic and noncellulosic fiber excluding textile glass.
b. Utilization based on May 1986 capacity survey and annualized January-April production data.

TABLE 9A:
U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS & *Average Denier*

	CELLULOSIC FIBERS								NONCELLULOSIC FIBERS[a]				GRAND TOTAL MAN-MADE FIBERS		
	FILAMENT YARN+MONOFIL				STAPLE+TOW										
		ACETATE[b]													
PERIOD	RAYON	LBS	*DENIER*	TOTAL	RAYON	ACE-TATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	TEXTILE GLASS TOTAL[c]	YARN[d] +MONO	STAPLE +TOW	TOTAL
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	867	4967	4598	9565
1981	48	257		305	461	4	465	770	3815	4191	8006	1041	5161	4656	9817
1982	33	195		228	355	1	356	584	3057	3403	6460	899	4184	3759	7943
1983	36	228		264	375	1	376	648	3568	3970	7538	1167	4999	4346	9345
1984	41	198		239	389	+	389	628	3525	3947	7472	1394	5158	4336	9494
1985	NA	NA		205[g]	353	+	353	558	3790	3773	7563	NA	3995[h]	4126	8121[h]
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970[e]	360	494	*NA*	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971[e]	337	490	*NA*	827	757	30	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972[e]	235	486	*NA*	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973[e]	224	473	*NA*	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974[e]	172	449	*NA*	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975[e]	100	384	*NA*	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976[e]	85	399	*NA*	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977[e]	85	315	*89*	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978[e]	83	330	*87*	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979[e]	75	355	*89*	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980[e]	63	324	*88*	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981[e]	52	332	*95*	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
NOV 1982[e]	63	318	*96*	381	510	4	514	895	4583	4781	9364	1718	6682	5295	11977
NOV 1983[e]	63	268	*95*	331	510	4	514	845	4477	4827	9304	1618	6426	5341	11767
NOV 1984[e]	63	268	*95*	331	510	4	514	845	4509	4981	9490	1743	6583	5495	12078
NOV 1985[e]				269[g]	510	5	515	784	4698	4890	9558	1769	6736	5405	12141
MAY 1986[e]				244[g]	460	5	465	709	4568	4728	9296	1849	6661	5193	11854
NOV 1986[f]				244[g]	460	5	465	709	4585	4812	9397	1901	6730	5277	12007
MAY 1987[f]				244[g]	460	5	465	709	4679	4929	9608	1923	6846	5394	12240
NOV 1987[f]				244[g]	460	5	465	709	4756	4743	9499	1972	6972	5208	12180
MAY 1988[f]				244[g]	460	5	465	709	4838	4713	9551	1995	7077	5178	12255

a. Included are those listed in the November ***Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Textile glass fiber, all types.

d. Grand Total Yarn means the yarn+mono shown **plus** all textile glass fiber.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned as of May 1986 and dates indicated.

g. Detail withheld due to disclosure.

h. 1985 excludes textile glass fiber.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in table 9B on page 91 cover the man-made fibers in all their primary forms, i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. The textile glass data are included with the filament yarn totals. The "capacity" to produce waste is *not* included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is *emphasized* that all figures refer to *current* and *planned* capacity. *They are not to be interpreted as a production forecast.*

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect *potential*, rather than *operating*, capacity.

TABLE 9B:
NONCELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & *Average Denier*

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLULOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]			OTHER[c]	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON	TOTAL	
	IND	CARP	TEXTILE		IND	TEXTILE		YARN	MONO[b]	FILM[b]								
			LBS	DEN		LBS	DEN											
NOV 1970[d]	480	428	569	*NA*	294	316	*NA*	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971[d]	463	531	522	*NA*	337	559	*NA*	89	163	113	19	2796	460	698	1355	107	2620	5416
NOV 1972[d]	469	626	559	*NA*	364	892	*NA*	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973[d]	466	707	534	*NA*	385	1118	*NA*	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974[d]	483	770	552	*NA*	403	1351	*NA*	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975[d]	503	786	553	*NA*	391	1576	*NA*	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976[d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977[d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978[d]	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979[d]	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980[d]	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981[d]	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982[d]	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
NOV 1983[d]	440	907	494	*52*	337	1170	*122*	240	375	484	30	4477	1017	826	2704	280	4827	9304
NOV 1984[d]	437	926	470	*54*	342	1162	*121*	270	386	486	30	4509	1054	807	2784	336	4981	9490
NOV 1985[d]	437	965	466	*53*	374	1097	*126*	304	412	613	30	4698	1067	631	2785	407	4890	9588
MAY 1986[d]	437	935	406	*51*	386	1082	*126*	266	411	615	30	4568	1072	582	2668	406	4728	9296
NOV 1986[e]	437	958	410	*51*	401	1021	*125*	277	415	636	30	4585	1112	587	2670	443	4812	9397
MAY 1987[e]	437	980	419	*52*	401	1022	*125*	303	427	660	30	4679	1117	612	2722	478	4929	9608
NOV 1987[e]	437	1020	419	*53*	401	1025	*125*	316	438	670	30	4756	1122	612	2522	487	4743	9499
MAY 1988[e]	437	1020	419	*53*	406	994	*125*	408	439	685	30	4838	1127	612	2462	512	4713	9551

Note: As of the November 1983 survey, nylon capacity data no longer include Aramid fiber.

NA means not available.

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more; **CARP** means bulked continuous filament yarn for carpets; **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

[a] Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

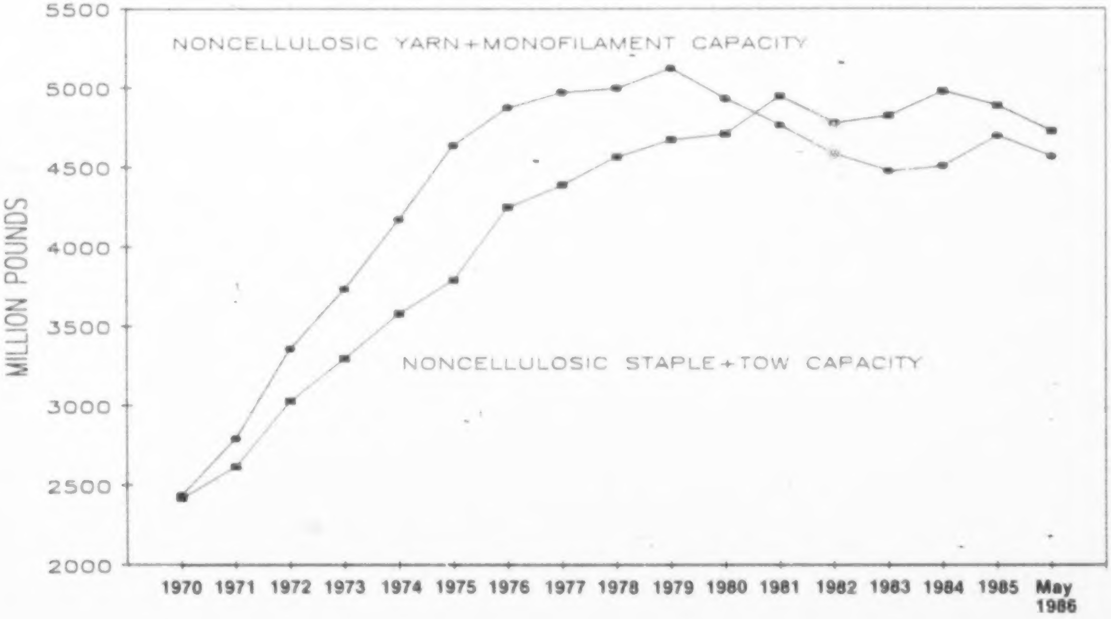
[b] Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

[c] Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

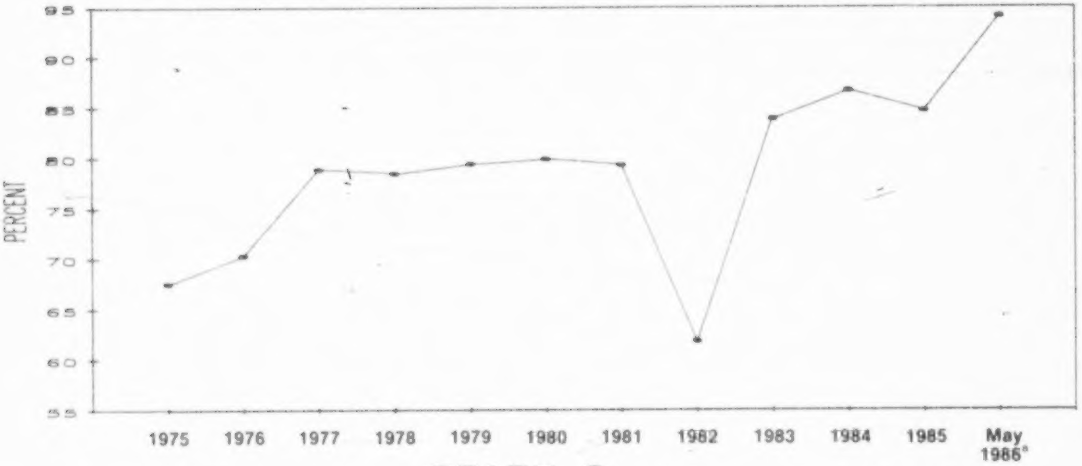
[d] Actual producing capacity as of date shown.

[e] Future producing capacity planned as of May 1986 and dates indicated.

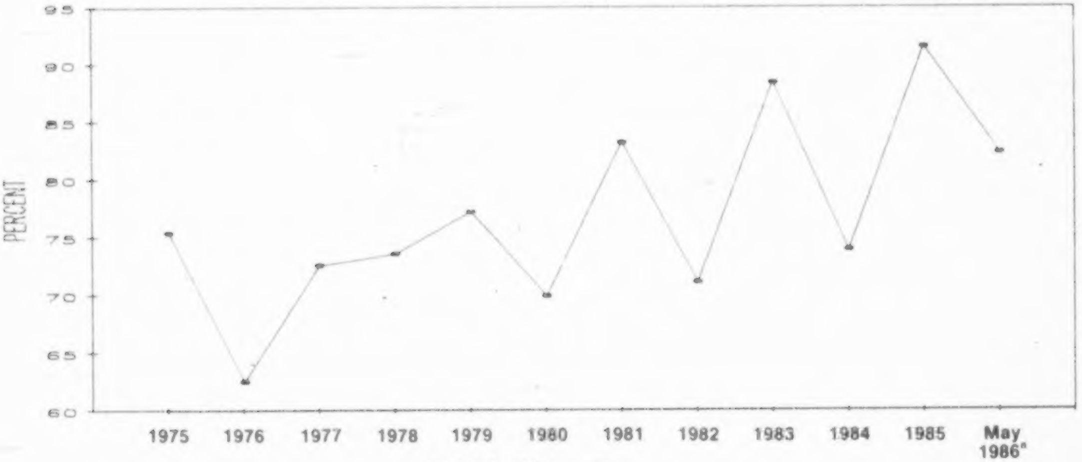
GRAPH 4:
NONCELLULOSIC YARN+MONOFILAMENT CAPACITY
VS. STAPLE+TOW CAPACITY



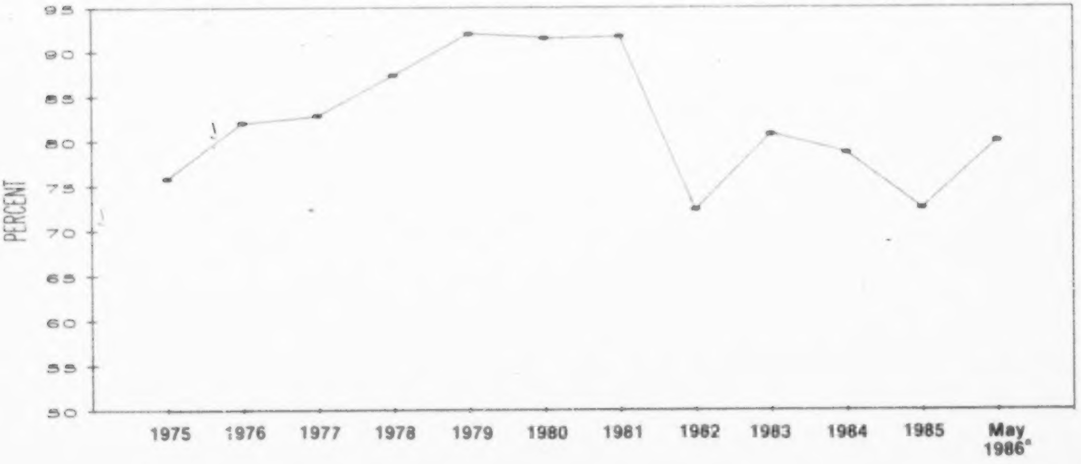
GRAPH 5:
NYLON CARPET YARN CAPACITY UTILIZATION



GRAPH 6:
POLYESTER TEXTILE YARN CAPACITY UTILIZATION



GRAPH 7:
POLYESTER STAPLE+TOW CAPACITY UTILIZATION



[a] Utilization based on May 1986 capacity survey and annualized January-April production data.

MAN-MADE FIBER TRADE BALANCE DECLINES

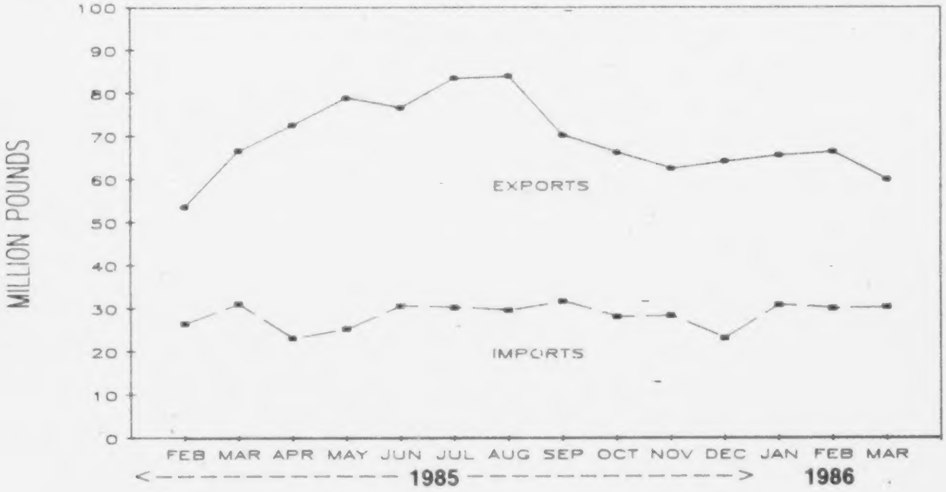
The U.S. man-made fiber balance of trade fell in March as the net-export balance of trade declined to 29.6 million pounds, down over 18% from the 36.3 million pound export balance in February. Declining exports and rising imports of man-made fiber resulted in the decline of the trade balance. Imports of fiber amounted to 30.3 million pounds, up 1% from the 30.0 million pounds imported in February. Exports of fiber in March reached 59.9 million pounds, a drop of almost 10% from the 66.4 million pounds exported in February.

The March trade balance is nearly 17% below that of March 1985. This month's imports are 2.5% below the level of last March, while exports are down almost 10% during the same period.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ORGANON.

GRAPH 8:
IMPORTS VS EXPORTS OF MAN-MADE FIBER



GRAPH 9:
MAN—MADE FIBER MONTHLY TRADE BALANCE

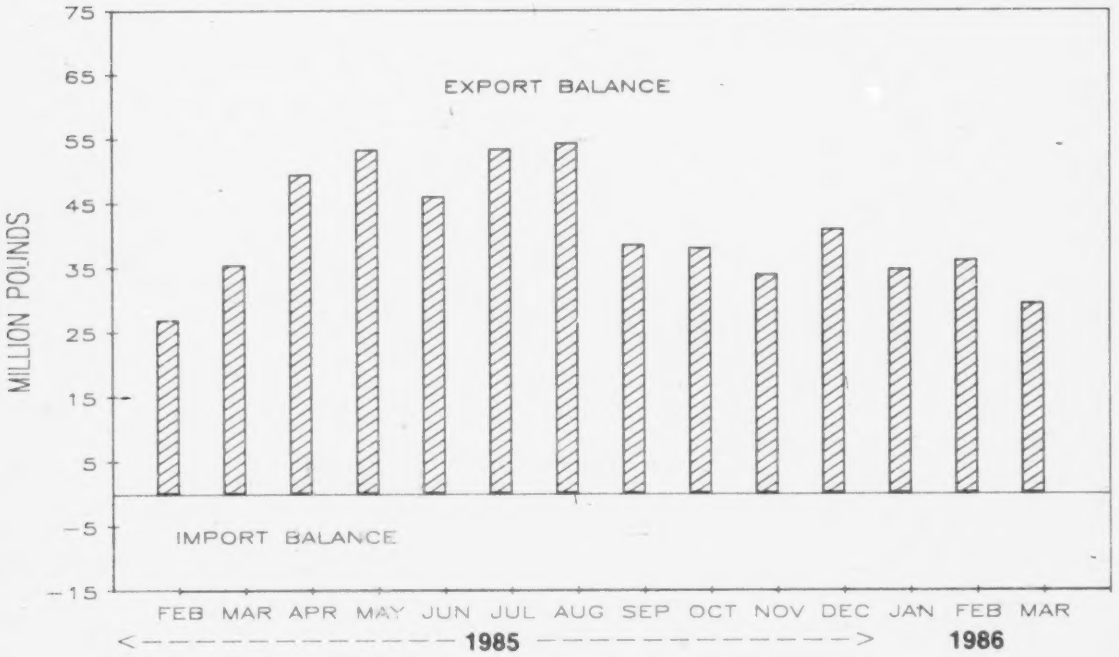


TABLE 10:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985										1986		
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
CELLULOSIC YARN+MONOFILAMENTS	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I
CELLULOSIC STAPLE+TOW	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E
NONCELLULOSIC YARN+MONOFILAMENTS	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E
NONCELLULOSIC STAPLE+TOW	23.4 E	24.8 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E
CELLULOSIC WASTE	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E
NONCELLULOSIC WASTE	0.7 I	2.2 E	2.1 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E
TOTAL	**35.6 E**	**49.7 E**	**53.5 E**	**46.2 E**	**53.6 E**	**54.5 E**	**38.7 E**	**38.2 E**	**34.1 E**	**41.1 E**	**34.8 E**	**36.3 E**	**29.6 E**

I means net-import balance.
E means net-export balance.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1986	1985
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0										138	240
CANADA	200	420	226										846	391
GERMANY, FED. REP. OF	482	284	783										1549	1468
JAPAN	95	41	50										186	179
MEXICO	81	114	0										195	109
NETHERLANDS	195	181	167										543	237
REP. OF KOREA	80	60	80										220	0
ALL OTHER COUNTRIES[a]	160	146	136										442	30
TOTAL CELL. YARN	**1375**	**1302**	**1442**										**4119**	**2654**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	0										259	169
CANADA	777	981	724										2482	2011
JAPAN	143	75	128										346	111
MEXICO	310	0	109										419	0
UNITED KINGDOM	105	39	80										224	610
ALL OTHER COUNTRIES[b]	11	0	485										496	1211
TOTAL CELL. STAPLE+TOW	**1605**	**1095**	**1526**										**4226**	**4112**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31										47	29
AUSTRIA	113	7	115										235	281
BELGIUM	1152	1901	531										3584	1608
BRAZIL	1	56	0										57	31
CANADA	1282	338	857										2477	2617
COSTA RICA	480	430	349										1259	30
FRANCE	405	689	679										1773	1443
GERMANY, FED. REP. OF	1195	1199	1397										3791	6200
ISRAEL	413	277	316										1006	450
ITALY	790	529	1158										2477	3364
JAPAN	646	553	1019										2218	1850
MEXICO	128	917	1223										2268	2135
NETHERLANDS	74	213	29										316	131
SOUTH AFRICA	853	866	532										2251	2113
SWITZERLAND	74	74	1										149	93
TAIWAN	36	39	47										122	31
UNITED KINGDOM	573	510	352										1453	2010
YUGOSLAVIA	85	0	0										85	333
ALL OTHER COUNTRIES[c]	47	218	192										457	417
TOTAL N.C. YARN	**8347**	**8832**	**8828**										**26007**	**25186**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57										100	224
BRAZIL	35	60	22										117	1628
CANADA	2650	1831	1430										5911	5089
COSTA RICA	31	44	0										75	603
FRANCE	996	984	984										2964	2875
GERMANY, FED. REP. OF	3105	2727	2552										8384	5296
ISRAEL	42	81	48										171	56
ITALY	1237	1748	1504										4489	3386
JAPAN	1919	1523	2265										5707	3968
MEXICO	1025	1105	1011										3141	2316
NETHERLANDS	20	0	+										20	168
REP. OF KOREA	492	355	551										1398	372
ROMANIA	210	88	158										456	266
SOUTH AFRICA	80	88	0										168	180
SWITZERLAND	137	0	23										160	175
TAIWAN	2105	1587	2111										5803	4449
UNITED KINGDOM	1819	2340	2151										6310	2906
ALL OTHER COUNTRIES[d]	116	330	216										662	188
TOTAL N.C. STAPLE+TOW	**16044**	**14909**	**15083**										**46036**	**34145**

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

[a] Australia 18, Austria 30, Belgium 102, China, PRC 2, France 47, Ireland 104, Thailand 17, United Kingdom 72, Yugoslavia 50

[b] Australia 217, Federal Rep. of Germany 4, Hong Kong 6, Sweden 269.

[c] Hong Kong +, Hungary 48, India +, Ireland 88, Korea, Rep. of 116, Romania 60, Singapore 15, Somalia 36, Spain +, Sweden 94.

[d] Australia 94, Austria 54, Denmark 58, Greece 12, Hong Kong 11, Ireland 81, Kenya 31, Malaysia 48, Philippines +, Sweden 57, Switzerland +, Thailand 138, Turkey 1, Yugoslavia 77.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29										87	38
OTHER	310.0130 & .0230*	1309	1180	1318										3807	2553
MONOFILAMENTS	309.0310 & .0610	0	5	6										11	18
STRIPS, $1/LB & UNDER	309.2000*	38	87	89										214	45
SUBTOTAL ABOVE		**1375**	**1302**	**1442**										**4119**	**2654**
STAPLE	309.4320 & .4325	1465	1056	1396										3917	3829
GROUPED FILAMENTS	309.3010 & .3310	140	39	130										309	283
SUBTOTAL ABOVE		**1605**	**1095**	**1526**										**4226**	**4112**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	+	0	+										+	100
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203										548	6281
MORE THAN 450	310.0108 & .0208	1809	1217	1092										4118	
- POLYESTER	310.0110 & .0210	748	1376	1165										3289	3904
- OTHER	310.0114 & .0214	1640	2607	1276										5523	3476
OTHER - NYLON	310.0149 & .0249	1236	1498	1935										4669	5306
- POLYESTER	310.0150 & .0250	1898	1331	[illegible]										5619	4845
- OTHER	310.0170 & .0270[b]	483	225	436										1146	562
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267										798	563
STRIPS, OVER $1/LB	309.2100 & .2500*	106	127	62										297	229
SUBTOTAL ABOVE		**8347**	**8832**	**8828**										**26007**	**25166**
STAPLE - NYLON	309.4338	3716	4331	3835										11882	8751
- POLYESTER	309.4342	2725	3058	3474										9257	5495
- ACRYLIC	309.4345	1473	822	887										3182	3432
- OLEFIN	309.4346	623	222	149										994	477
- OTHER	309.4355	2666	1949	1613										6228	6480
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164										10049	6744
POLYESTER	309.3040 & .3340	147	150	204										501	895
ACRYLIC	309.3050 & .3350	972	670	1616										3258	1545
OTHER	309.3065 & .3365	341	203	141										685	326
SUBTOTAL ABOVE		**16044**	**14909**	**15083**										**46036**	**34145**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315										6159	10964
- POLYESTER	309.6630	560	403	465										1428	2781
- ACRYLIC	309.6645	0	0	6										6	10
- OTHER	309.6660	892	813	256										1961	378
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0										59	62
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372										1053	910
SUBTOTAL ABOVE		**3381**	**3871**	**3414**										**10666**	**15105**
TOTAL MAN-MADE ABOVE		**30752**	**30009**	**30293**										**91054**	**81351**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	30	0										30	0
- NONCELLULOSIC	310.1015[d] & .1109[e]	1309	1305	586										3200	2511
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	11	+										13	83
- NONCELLULOSIC	310.1050 & .1070[g]	33	59	49										141	1186
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155										487	345
- OTHER	310.4015 & .4027[i]	2619	3160	3542										9321	7076
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830										1440	1604
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478										1253	1652
SLIVER, TOPS & ROVING	309.9000	282	239	493										1014	856
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643										7875	7515
GRAND TOTAL ABOVE		**37875**	**38884**	**39069**										**115828**	**104179**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

- + Means a nominal poundage.
- * These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.
- a. Also includes 310.0510 & .0610.
- b. Also includes 310.0530, .0550, .0630 & .0650.
- c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.
- d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.
- e. Also includes 310.1110 & .1114.
- f. Also includes 310.2010 & .2110.
- g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.
- h. Also includes 310.5030.
- i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.
- j. Also includes 310.9300 & .9500.
- k. Chiefly roving. Also includes 309.9800, & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR-TO-DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5										8	34
OTHER[b]	310.0026	483	499	712										1694	1899
MONOFILAMENTS	309.0110	18	3	22										43	0
STRIPS	309.2210	0	0	1										1	7
SUBTOTAL ABOVE		**501**	**505**	**740**										**1746**	**1940**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331										10075	8342
STAPLE-ACETATE	309.4219	175	102	162										439	285
SUBTOTAL ABOVE		**2437**	**2584**	**5493**										**10514**	**8627**
WASTE, ADVANCED & NOT ADVANCED	309.7400	**68**	**233**	**157**										**458**	**352**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135										5533	7408
- HIGH TENACITY[c]	310.0027	5757	6837	5805										18399	17220
- OTHER	310.0029	638	1276	1238										3152	2839
POLYESTER-TEXTURED	310.0010	7485	8451	9794										25730	19236
- HIGH TENACITY[c]	310.0032	1952	1435	1252										4639	2301
- OTHER[d]	310.0034	735	128	90										953	2982
OTHER - TEXTURED	310.0014	8990	916	1023										10929	2004
- OLEFIN	309.0040	67	951	84										1102	118
- OTHER	310.0044	212	600	479										1291	1736
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312										975	615
POLYESTER[e]	309.0140	663	503	340										1506	1571
OTHER	309.0170	283	450	537										1270	2964
STRIPS	303.2220 & .2270	320	283	194										797	1112
SUBTOTAL ABOVE		**28851**	**24142**	**23283**										**76276**	**62106**
STAPLE - NYLON	309.4240	1111	1230	1074										3415	2434
- POLYESTER	309.4242	8164	8395	6714										23273	52095
- ACRYLIC	309.4245	8607	7909	4248										20764	45479
- OLEFIN	309.4246	1844	1327	1269										4440	1920
- OTHER	309.4247	1124	2228	1796										5148	2520
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176										764	357
POLYESTER[d]	309.3240	1997	2797	1950										6744	6845
ACRYLIC	309.3250 & .3255	2090	2775	3435										8300	7620
SUBTOTAL ABOVE		**25175**	**27011**	**20662**										**72848**	**119270**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309.7620	299	806	408										1513	736
- POLYESTER	309.7630	3848	5678	4934										14460	10121
- ACRYLIC	309.7640	569	624	1080										2273	1349
- OTHER	309.7660	3831	4801	3139										11771	2620
SUBTOTAL ABOVE		**8547**	**11909**	**9561**										**30017**	**14826**
TOTAL MAN-MADE FIBER ABOVE		**65579**	**66384**	**59896**										**191859**	**207121**
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042										13948	18331
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**										**205807**	**225452**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 14:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
CELLULOSIC YARN[f]															
PRODUCTION	**55.2**	**56.0**	**50.0**	**37.0**	**198.2**	**52.8**	**54.5**	**48.4**	**48.9**	**204.6**	**54.3**				
SHIPMENTS - DOMESTIC	48.7	51.9	43.4	36.1	180.1	44.4	48.0	46.6	48.1	187.1	48.6				
- EXPORT	5.8	4.2	4.4	3.8	18.2	7.3	6.0	4.6	5.1	23.0	4.7				
TOTAL SHIPMENTS	**54.5**	**56.1**	**47.8**	**39.9**	**198.3**	**51.7**	**54.0**	**51.2**	**53.2**	**210.1**	**53.3**				
ENDING STOCK	**13.2**	**13.1**	**15.3**	**12.4**		**18.9**	**19.4**	**16.6**	**12.3**		**13.3**				
NYLON															
PRODUCTION	**400.9**	**407.9**	**383.3**	**385.2**	**1577.3**	**370.8**	**360.3**	**386.7**	**397.0**	**1514.8**	**396.9**				
SHIPMENTS - DOMESTIC	365.1	370.7	348.9	353.4	1438.1	323.7	353.0	368.9	371.8	1417.4	363.4				
- EXPORT	29.9	30.1	29.1	30.2	119.3	33.5	25.0	33.3	26.6	118.4	26.7				
TOTAL SHIPMENTS	**395.0**	**400.8**	**378.0**	**383.6**	**1557.4**	**357.2**	**378.0**	**402.2**	**398.4**	**1535.8**	**390.1**				
ENDING STOCK	**126.7**	**133.8**	**139.1**	**140.7**		**154.3**	**136.6**	**121.1**	**119.7**		**126.5**				
OLEFIN[b]															
PRODUCTION	**178.0**	**184.5**	**171.5**	**213.1**	**747.1**	**231.6**	**251.1**	**234.5**	**237.3**	**954.5**	**260.0**				
SHIPMENTS - DOMESTIC	169.3	180.2	169.6	206.5	725.6	223.6	246.0	234.4	233.6	937.6	253.1				
- EXPORT	4.3	3.8	4.2	4.2	16.5	3.6	3.8	3.2	2.9	13.5	2.4				
TOTAL SHIPMENTS	**173.6**	**184.0**	**173.8**	**210.7**	**742.1**	**227.2**	**249.8**	**237.6**	**236.5**	**951.1**	**255.5**				
ENDING STOCK	**60.9**	**61.4**	**59.1**	**61.5**		**65.9**	**67.2**	**64.1**	**64.9**		**69.4**				
POLYESTER															
PRODUCTION	**318.8**	**297.5**	**279.8**	**303.9**	**1200.0**	**316.2**	**340.8**	**345.9**	**318.0**	**1320.9**	**322.2**				
SHIPMENTS - DOMESTIC	291.9	286.1	276.9	290.0	1144.9	290.1	311.6	309.2	293.3	1204.2	284.8				
- EXPORT	14.1	12.4	9.9	16.8	53.2	17.7	30.6	29.0	31.0	108.3	21.8				
TOTAL SHIPMENTS	**306.0**	**298.5**	**286.8**	**306.8**	**1198.1**	**307.8**	**342.2**	**338.2**	**324.3**	**1312.5**	**306.6**				
ENDING STOCK	**110.4**	**109.4**	**102.4**	**99.5**		**107.9**	**106.5**	**114.2**	**107.9**		**123.5**				
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**897.7**	**889.9**	**834.6**	**902.2**	**3524.4**	**918.6**	**952.2**	**967.1**	**952.3**	**3790.2**	**979.1**				
SHIPMENTS - DOMESTIC	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	901.3				
- EXPORT	48.3	46.3	43.2	51.2	189.0	54.8	59.4	65.5	60.5	240.2	50.9				
TOTAL SHIPMENTS	**874.6**	**883.3**	**838.6**	**901.1**	**3497.6**	**892.2**	**970.0**	**978.0**	**959.2**	**3799.4**	**952.2**				
ENDING STOCK	**298.0**	**304.6**	**300.6**	**301.7**		**328.1**	**310.3**	**299.4**	**292.5**		**319.4**				
DOMESTIC SHIPMENTS	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	901.3				
IMPORTS - TEXTURED YARN[c]	12.4	13.3	12.0	12.3	50.0	16.2	16.2	22.7	17.8	72.9	16.7				
- OTHER YARN[c]	12.9	13.2	13.9	11.1	51.1	11.9	12.0	9.3	8.4	41.6	11.6				
- MONOFILAMENTS	1.0	0.7	0.8	0.4	2.9	0.6	0.6	0.5	0.4	2.1	0.8				
TOTAL IMPORTS	26.3	27.2	26.7	23.8	104.0	28.7	28.8	32.5	26.6	116.6	29.1				
TOTAL AVAILABLE	**852.6**	**864.2**	**822.1**	**873.7**	**3412.6**	**866.1**	**939.4**	**945.0**	**925.3**	**3675.8**	**930.4**				
						TEXTILE GLASS FIBER									
PRODUCTION	**333.3**	**337.0**	**342.9**	**380.8**	**1394.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**				
SHIPMENTS - DOMESTIC	305.1	340.8	311.0	293.8	1250.7	300.6	NA	NA	NA	NA	NA				
- EXPORT	11.7	14.8	14.9	16.6	58.0	17.3	NA	NA	NA	NA	NA				
TOTAL SHIPMENTS	**316.8**	**355.6**	**325.9**	**310.4**	**1308.7**	**317.9**	**325.6**	**318.8**	**297.3**	**1259.6**	**316.2**				
ENDING STOCK	**141.2**	**122.6**	**139.6**	**210.0**		**NA**	**NA**	**NA**	**NA**		**NA**				
IMPORTS	7.8	5.7	5.4	4.2	23.1	7.5	9.4	8.4	9.4	34.7	7.9				
TOTAL AVAILABLE	**312.9**	**346.5**	**316.4**	**298.0**	**1273.8**	**308.1**	**NA**	**NA**	**NA**	**NA**	**NA**				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 52 & 53 of the March 1986 issue for further details on these yarns.

b. Also include film fiber as well as spunbonded polypropylene.

c. Include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 52 & 53 of the March 1986 issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

f. 1984 data - Acetate Yarn only.

TABLE 15:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW^d									
RAYON															
PRODUCTION	**104.0**	**103.7**	**94.0**	**87.5**	**389.2**	**85.6**	**85.8**	**87.2**	**94.1**	**352.7**	**95.1**				
SHIPMENTS - DOMESTIC	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6				
- EXPORT	11.3	20.3	10.3	10.2	52.1	7.9	13.5	10.0	3.6	35.0	6.3				
TOTAL SHIPMENTS	**102.0**	**102.8**	**91.9**	**87.3**	**384.0**	**81.7**	**90.1**	**92.9**	**94.0**	**358.7**	**97.9**				
ENDING STOCK	**25.3**	**26.2**	**28.3**	**28.5**		**32.4**	**28.1**	**22.4**	**22.5**		**19.7**				
DOMESTIC SHIPMENTS	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6				
IMPORTS FOR CONSUMPTION															
STAPLE	4.4	3.2	3.9	3.9	15.4	3.8	2.2	2.4	2.9	11.3	3.9				
GROUPED FILAMENTS	0.4	0.3	0.5	0.4	1.6	0.3	0.3	0.3	0.2	1.1	0.3				
TOTAL IMPORTS	4.8	3.5	4.4	4.3	17.0	4.1	2.5	2.7	3.1	12.4	4.2				
TOTAL AVAILABLE	**95.5**	**86.0**	**86.0**	**81.4**	**348.9**	**77.9**	**79.1**	**85.6**	**93.5**	**336.1**	**95.8**				
NYLON															
PRODUCTION	**220.9**	**216.6**	**193.0**	**204.3**	**834.8**	**191.6**	**200.8**	**215.6**	**219.7**	**827.7**	**220.5**				
SHIPMENTS - DOMESTIC	211.1	210.6	194.5	198.2	814.4	192.8	202.7	212.9	221.9	830.3	195.2				
- EXPORT	5.6	3.1	4.6	3.6	16.9	3.3	3.1	3.2	3.7	13.3	3.9				
TOTAL SHIPMENTS	**216.7**	**213.7**	**199.1**	**201.8**	**831.3**	**196.1**	**205.8**	**216.1**	**225.6**	**843.6**	**199.1**				
ENDING STOCK	**79.3**	**82.2**	**76.1**	**78.6**		**74.1**	**69.1**	**68.6**	**62.7**		**84.1**				
IMPORTS	7.9	7.8	12.1	10.5	38.3	8.7	8.0	12.5	9.3	38.5	11.9				
TOTAL AVAILABLE	**219.0**	**218.4**	**206.6**	**208.7**	**852.7**	**201.5**	**210.7**	**225.4**	**231.2**	**868.8**	**207.1**				
ACRYLIC+MODACRYLIC															
PRODUCTION	**171.7**	**174.9**	**164.7**	**159.5**	**670.8**	**163.0**	**158.5**	**152.1**	**157.2**	**630.8**	**149.0**				
SHIPMENTS - DOMESTIC	120.6	124.2	107.7	94.2	446.7	105.3	119.7	118.6	115.1	458.7	123.1				
- EXPORT	48.5	51.3	60.7	59.0	219.5	59.0	42.4	46.7	37.0	185.1	27.1				
TOTAL SHIPMENTS	**169.1**	**175.5**	**168.4**	**153.2**	**666.2**	**164.3**	**162.1**	**165.3**	**152.1**	**643.8**	**150.2**				
ENDING STOCK	**75.4**	**74.8**	**71.1**	**77.4**		**76.1**	**72.5**	**59.3**	**64.4**		**63.2**				
IMPORTS	3.3	3.8	3.9	2.5	13.5	3.4	3.6	5.9	4.7	17.6	3.2				
TOTAL AVAILABLE	**123.9**	**128.0**	**111.6**	**96.7**	**460.2**	**108.7**	**123.3**	**124.5**	**119.8**	**476.3**	**126.3**				
OLEFIN+VINYON															
PRODUCTION	**57.3**	**61.8**	**64.4**	**66.4**	**249.9**	**69.1**	**72.7**	**75.1**	**77.8**	**294.7**	**82.4**				
SHIPMENTS - DOMESTIC	53.7	61.0	62.7	63.5	240.9	67.2	71.9	70.8	69.8	279.7	73.9				
- EXPORT	3.8	0.6	0.5	0.9	5.8	1.0	2.0	3.2	2.3	8.5	4.2				
TOTAL SHIPMENTS	**57.5**	**61.6**	**63.2**	**64.4**	**246.7**	**68.2**	**73.9**	**74.0**	**72.1**	**288.2**	**78.1**				
ENDING STOCK	**19.8**	**20.0**	**21.2**	**23.2**		**24.1**	**22.9**	**24.0**	**29.7**		**34.0**				
POLYESTER															
PRODUCTION	**561.6**	**573.5**	**531.4**	**525.3**	**2191.8**	**520.7**	**512.2**	**468.9**	**518.3**	**2020.1**	**520.8**				
SHIPMENTS - DOMESTIC	514.2	527.7	481.3	469.0	1992.2	456.3	460.2	462.4	493.8	1872.7	499.1				
- EXPORT	32.8	34.6	44.8	88.0	200.2	51.0	63.2	29.1	22.6	165.9	25.7				
TOTAL SHIPMENTS	**547.0**	**562.3**	**526.1**	**557.0**	**2192.4**	**507.3**	**523.4**	**491.5**	**516.4**	**2038.6**	**524.8**				
ENDING STOCK	**188.7**	**199.9**	**205.2**	**173.5**		**186.9**	**175.7**	**153.1**	**155.0**		**151.0**				
IMPORTS	7.8	5.5	5.2	4.4	22.9	5.5	7.7	7.3	6.3	26.8	9.3				
TOTAL AVAILABLE	**522.0**	**533.2**	**486.5**	**473.4**	**2015.1**	**481.8**	**467.9**	**469.7**	**500.1**	**1899.5**	**508.4**				
TOTAL NONCELLULOSIC															
PRODUCTION	**1011.5**	**1026.8**	**953.5**	**955.5**	**3947.3**	**944.4**	**944.2**	**911.7**	**973.0**	**3773.3**	**972.7**				
SHIPMENTS - DOMESTIC	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3				
- EXPORT	90.7	89.6	110.6	151.5	442.4	114.3	110.7	82.2	65.6	372.8	60.9				
TOTAL SHIPMENTS	**990.3**	**1013.1**	**956.8**	**976.4**	**3936.6**	**935.9**	**965.2**	**946.9**	**966.2**	**3814.2**	**952.2**				
ENDING STOCK	**363.2**	**376.9**	**373.6**	**352.7**		**361.2**	**340.2**	**305.0**	**311.8**		**332.3**				
DOMESTIC SHIPMENTS	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE^e	19.0	17.1	21.2	17.4	74.7	17.6	19.3	25.7	20.3	82.9	24.4				
OTHER N.C. STAPLE	4.6	4.2	5.3	3.5	17.6	7.1	7.3	8.7	8.2	31.3	7.2				
GROUPED FILAMENTS	11.0	9.5	9.6	8.7	38.8	9.5	11.8	11.9	12.3	45.5	14.4				
TOTAL IMPORTS	34.6	30.8	36.1	29.6	131.1	34.2	38.4	46.3	40.8	159.7	46.0				
TOTAL AVAILABLE	**934.2**	**954.3**	**882.3**	**854.5**	**3625.3**	**855.8**	**892.9**	**911.0**	**941.4**	**3601.1**	**937.3**				

See footnotes on opposite page.

TABLE 16:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1986												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**									**72.7**	**70.3**
NYLON[e] - INDUSTRIAL[f]	26.3	29.5	28.8	29.1									113.7	123.8
- CARPET	69.6	71.1	71.1	75.7									287.5	237.7
- TEXTILE[k]	30.9	31.1	31.7	32.7									126.4	122.8
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7									108.4	102.6
- LOW DENIER INDUSTRIAL[g]	1.9	2.3	2.4	2.0									8.6	6.6
- TEXTILE	75.2	75.7	67.4	66.3									284.6	316.6
OLEFIN[h]	79.6	88.7	87.2	87.9									343.4	307.9
TOTAL NONCELLULOSIC ABOVE[i]	**311.7**	**324.0**	**316.5**	**320.4**									**1272.6**	**1218.0**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**									**130.6**	**111.7**
NYLON[e]	70.7	64.1	64.3	67.1									266.2	264.0
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7									205.9	219.2
POLYESTER	179.9	171.2	173.7	180.8									705.6	684.7
OLEFIN+VINYON	24.0	25.4	28.7	28.2									106.3	92.7
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**									**1284.0**	**1260.6**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.0**	**12.2**	**13.3**	**12.1**									**12.1**	**19.2**
NYLON[e] - INDUSTRIAL[f]	23.8	25.6	24.1	26.1									26.1	32.0
- CARPET	55.4	51.8	56.2	52.5									52.5	58.2
- TEXTILE[k]	49.0	46.1	46.2	44.7									44.7	53.6
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2									27.2	24.3
- LOW DENIER INDUSTRIAL[g]	3.3	3.3	3.5	3.6									3.6	2.9
- TEXTILE	81.4	87.0	93.1	92.9									92.9	80.6
OLEFIN[h]	66.7	69.4	69.4	69.5									69.5	64.7
TOTAL NONCELLULOSIC ABOVE[i]	**304.7**	**309.3**	**319.4**	**316.5**									**316.5**	**316.3**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**									**20.1**	**31.1**
NYLON[e]	63.0	70.4	84.1	89.1									89.1	71.1
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8									56.8	77.2
POLYESTER	147.9	147.3	151.0	157.6									157.6	187.6
OLEFIN+VINYON	33.3	33.7	34.0	31.7									31.7	25.5
TOTAL NONCELLULOSIC ABOVE	**310.3**	**317.7**	**332.3**	**335.2**									**335.2**	**361.4**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1										38.9	18.9
CARPET CLASS WOOL	1.0	0.8	0.9										2.7	2.3
TOTAL RAW WOOL	13.6	14.0	14.0										41.6	21.2
RAW COTTON	269.5	263.3	264.2										797.0	653.2

a. Year-to-date totals except for stock, which is the latest month's data.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic plus export shipments.
d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.
e. Data for nylon exclude aramid.
f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.
h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
i. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.
j. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.
k. Low denier industrial Nylon is now included with Textile.

C8850-1

TEXTILE
ORGANON

Volume 57, No. 6 ☐ June 1986

A publication of the *Textile Economics Bureau, Inc.*

WORLD MAN-MADE FIBER SURVEY

Featured in this issue is our annual survey of the world man-made fiber industry. Our customary world directory of man-made fiber producers begins on page 116, the annual cellulosic fiber production and planned capacity survey begins on page 108; and the annual noncellulosic fiber production and planned capacity survey begins on page 104.

Historical world data for most of the tables that appear in this issue can be found in the ***Textile Organon Base Book*** of January 1962 and the following issues of the ***Textile Organon***: June 1966, 1970 and 1979-1985.

As in the past, all data in this issue are in *metric tons* except for the U.S. data on pages 144-152. The tables on pages 101 and 104-115 will be published in the July issue showing data in *millions of pounds*.

Import-export data used to tabulate net available supply by country are not complete at this time. As a result, when these data are obtained, the 1985 net available supply table will be published in the ***Organon.***

ACKNOWLEDGEMENTS

This annual world man-made fiber survey would not have been possible without the help and cooperation of more than 170 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles and Apparel, Domestic and International Business Administration and the U.S. Department of Commerce. Their efforts are greatly appreciated.

TABLE 1:
WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS

THOUSAND METRIC TONS & *Percent*

TYPE OF FIBER	1979	1980	1981	1982	1983	1984	1985
CELLULOSIC FIBERS (from page 111)							
YARN+MONOFILAMENTS	1176	1161	1104	1023	1040	1029	1025
STAPLE+TOW	2195	2081	2100	1922	1989	2065	1974
TOTAL CELLULOSIC	**3371**	**3242**	**3204**	**2945**	**3029**	**3094**	**2999**
NONCELLULOSIC FIBERS except Olefin (from page 107)							
YARN+MONOFILAMENTS	4889	4732	4809	4480	4851	5210	5526
STAPLE+TOW	5712	5744	6018	5667	6269	6688	6989
TOTAL NONCELL. ABOVE	**10601**	**10476**	**10827**	**10147**	**11120**	**11898**	**12515**
TOTAL MAN-MADE ABOVE	**13972**	**13718**	**14031**	**13092**	**14149**	**14992**	**15514**
% of World Total	*47*	*47*	*45*	*45*	*47*	*42*	*45*
NATURAL FIBERS							
RAW COTTON	10480	13991	15296	14639	14217	19060	17540
RAW WOOL	1576	1607	1626	1629	1641	1682	1676
RAW SILK	55	56	57	55	55	55	56
TOTAL NATURAL ABOVE	**15711**	**15654**	**16979**	**16323**	**15913**	**20797**	**19272**
% of World Total	*53*	*53*	*55*	*55*	*53*	*55*	*55*
WORLD TOTAL ABOVE	**29683**	**29372**	**31010**	**29415**	**30062**	**35789**	**34786**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 107 and 111, as noted. Textile glass fiber and olefin production are not included.

COTTON: International Cotton Advisory Committee. Also see December 1985 *Organon.*

WOOL: Commonwealth Secretariat & The Wool Bureau, Inc. The data are on a scoured basis. Also see the December 1985 *Organon* issue.

SILK: International Silk Association; Food and Agriculture Organization of the United Nations.

Textile Organon

A Monthly Review

JUNE 1986

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

Copyright © **1986**
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single issues:		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

CONTENTS

Features

World Man-Made Fiber Survey 101-143
  World Production of Certain Fibers 101
  Noncellulosic Fiber Production & Producing Capacity by Country 104-107
  Cellulosic Fiber Production & Producing Capacity by Country 108-111
  Rayon vs. Acetate Filament Yarn Production & Producing Capacity 112-113
  Noncellulosic Fiber Production & Producing Capacity by Fiber 114
  Glass Fiber Production & Producing Capacity 115
  Cigarette Tow Production 115
  Acetate Staple Production & Producing Capacity 115
  Olefin Fiber Production by Country 115
  World Producer Directory 116-140
  World Ownership Listing 141-142
  Number of Producing Plants 143

Industry Regulars

Datagram 103

Trade Barometer 144
  Graph 1: Imports vs. Exports of Man-Made Fiber 144
  Graph 2: Man-Made Fiber Monthly Trade Balance 145
  Man-Made Fiber Monthly Trade Balance Detail 145

Monthly U.S. Man-Made Fiber Data 146-152
  Imports by Country of Origin 146
  Imports for Consumption 147
  Exports by Fiber 148

Quarterly Man-Made Fiber Data 150-151
  Filament Yarn Domestic Shipments 150
  Staple+Tow Domestic Shipments 151

Selected U.S. Monthly Textile Fiber Data 149,152
  Selected U.S. Monthly Textile Fiber Data Detail 149
  Graph 3: Selected U.S. Monthly Textile Fiber Data 152

DATAGRAM

WORLD FIBER PRODUCTION CONTINUES TO GROW

From 1979 to 1985, the World noncellulosic yarn and staple+tow production increased by almost 19%, from 10,601 thousand metric tons in 1979 to 12,515 thousand metric tons in 1985. During the same period, the noncellulosic yarn production rose 13% and production of staple+tow increased by over 22%.

Major growth areas in production during that time have been recorded in:
- China, PRC, where production increased by 361%, of which yarn was up 247% and staple+tow rose 393%.
- India expanded production by 203%, of which yarn rose by 256% and staple+tow increased by 135%
- Indonesia increased production by 102%, of which yarn grew by 239% and staple+tow rose by only 40%.

In 1985, the World noncellulosic yarn and staple+tow production reached 12,515 thousand metric tons, up 5.2% from the 11,898 thousand metric tons produced in 1984. A decline of 3% was recorded for the production of cellulosic yarn and staple in 1985.

The noncellulosic staple+tow production rose by 22% in 1985, from 6,688 thousand metric tons in 1984 to 6,989 thousand metric tons in 1985; and production of noncellulosic yarn increased by 13% to 5,526 thousand metric tons in 1985.

Major growth areas, in the noncellulosic sector, are in Other Africa, Asia and Oceania, where production rose by almost 15% in 1985.

The most significant production increases are noted in the following countries:
- China, PRC - up 26%
- India - rose 19%
- Taiwan - grew 18%

Planned capacities in 1987 over 1986, for both noncellulosic yarn and staple+tow, are noteworthy in the following countries:
- Taiwan - will rise by almost 14%, of which yarn is expected to grow by nearly 21% and staple+tow will increase by almost 7%.
- China, PRC is expected to move up by 13%, with 11% for yarn and 13% for staple+tow.
- Indonesia - combined capacity will increase over 6%. The larger share of that will be in yarn, by 13%.

CELANESE TO CUT POLYESTER STAPLE CAPACITY

Celanese Fibers, A Division of Celanese Corp., is planning to reduce its production capacity for polyester staple at its Salisbury, N.C. plant by 185 million pounds over the next 18 months. The permanent shutdown will result in 150 to 200 job losses. According to John Fennie, President and General Manager, Textile Fibers, the reduction was necessitated by "the continuing surge of unfair imports of fabric and apparel from the Far East." (DNR 6/3/86)

HERCULES TO INCREASE OLEFIN STAPLE FIBER CAPACITY

Hercules Inc. announced that it will increase its capacity for olefin staple fiber by 20 million pounds at the Oxford, GA. facility. Completion of the expansion is expected by June 1987. (Hercules News Release 6/5/86)

TABLE 2A:
WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	0	29.3	29.3	0	25.4	25.4	0	18.7	18.7	0	16.2	16.2
Benelux[a]	95.2	40.4	135.6	71.9	32.4	104.3	80.4	25.3	105.7	70.6	19.2	89.8
Eire (Ireland)	10.8	32.0	42.8	10.0	31.7	41.7	15.0	31.3	46.3	12.3	28.0	40.3
Finland	0.4	0	0.4	0.4	0	0.4	0.5	0	0.5	0.5	0	0.5
France	78.7	145.3	224.0	65.3	126.7	192.0	66.4	134.8	201.2	64.8	125.3	190.1
West Germany	338.0	421.5	759.5	317.7	402.4	720.1	320.7	431.5	752.2	319.0	350.0	669.0
Greece	9.2	9.5	18.7	9.0	10.0	19.0	9.0	8.9	17.9	8.5	9.3	17.8
Italy/Malta	126.6	233.6	360.2	124.9	229.9	354.8	149.0	286.3	435.3	148.7	280.0	428.7
Portugal	1.7	29.2	30.9	1.4	32.1	33.5	1.1	34.0	35.1	0.9	38.0	38.9
Spain	71.7	141.4	213.1	65.0	136.7	201.7	72.3	168.9	241.2	73.6	157.8	231.4
Switzerland	49.1	30.0	79.1	60.7	23.7	84.4	57.1	27.9	85.0	53.4	27.0	80.4
Turkey	30.0	77.0	107.0	28.0	70.0	98.0	32.4	76.3	108.7	45.1	80.2	125.3
United Kingdom	171.4	209.7	381.1	125.9	161.7	287.6	100.9	148.4	249.3	66.5	137.8	204.3
Total Western Europe	**982.8**	**1398.9**	**2381.7**	**880.2**	**1282.7**	**2162.9**	**904.8**	**1392.3**	**2297.1**	**863.9**	**1268.8**	**2132.7**
EASTERN EUROPE												
Albania	0	0	0	0	0	0	0	0	0	0	0	0
Bulgaria	13.0	35.0	48.0	17.3	37.0	54.3	17.5	39.0	56.5	13.5	38.0	51.5
Czechoslovakia	50.0	22.0	72.0	54.0	22.4	76.4	52.5	37.5	90.0	52.9	35.9	88.8
Germany, D.R.	54.6	77.9	132.5	57.0	82.0	139.0	56.0	78.0	134.0	65.0	78.9	143.9
Hungary	3.2	14.8	18.0	5.8	14.7	20.5	7.0	14.3	21.3	7.6	12.7	20.3
Poland	87.4	65.9	153.3	94.5	68.5	163.0	78.7	40.2	118.9	80.0	54.7	134.7
Romania	35.0	105.0	140.0	33.0	103.0	136.0	39.5	114.5	154.0	41.0	112.0	153.0
U.S.S.R.	273.0	203.0	476.0	319.0	231.0	550.0	311.8	261.0	572.8	322.8	265.0	587.8
Yugoslavia	21.0	35.0	56.0	23.0	40.0	63.0	24.0	41.0	65.0	27.0	47.5	74.5
Total Eastern Europe	**537.2**	**558.6**	**1095.8**	**603.6**	**598.6**	**1202.2**	**587.0**	**625.5**	**1212.5**	**609.8**	**644.7**	**1254.5**
TOTAL EUROPE	**1520.0**	**1957.5**	**3477.5**	**1483.8**	**1881.3**	**3365.1**	**1491.8**	**2017.8**	**3509.6**	**1473.7**	**1913.5**	**3387.2**

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	18.0	18.0	0	18.1	18.1	0	18.1	18.1	0	21.0	21.0	0	21.0	21.0
61.9	21.3	83.2	65.5	23.0	88.5	71.0	29.0	100.0	92.5	59.0	151.5	92.5	59.0	151.5
11.0	32.0	43.0	11.5	37.5	49.0	11.5	44.0	55.5	12.0	53.5	65.5	12.0	53.5	65.5
0.5	0	0.5	0.5	0	0.5	0.5	0	0.5	0.6	0	0.6	0.6	0	0.6
63.2	135.1	198.3	60.2	133.6	193.8	60.7	124.0	184.7	86.0	133.0	219.0	86.0	133.0	219.0
339.2	393.0	732.2	352.0	379.0	731.0	360.0	402.0	762.0	409.0	436.0	845.0	409.0	436.0	845.0
9.0	10.0	19.0	9.0	10.0	19.0	9.0	10.0	19.0	17.7	12.0	29.7	17.7	12.0	29.7
142.5	312.6	455.1	154.0	370.4	524.4	170.0	388.0	558.0	189.7	414.0	603.7	189.7	414.0	603.7
1.0	39.0	40.0	1.0	42.0	43.0	1.0	49.0	50.0	1.5	55.0	56.5	1.5	55.0	56.5
64.6	173.2	237.8	77.6	176.8	254.4	85.0	189.0	274.0	118.0	222.7	340.7	118.0	222.7	340.7
58.0	28.0	86.0	69.7	28.3	98.0	72.0	27.5	99.5	85.0	32.0	117.0	85.0	32.0	117.0
48.0	104.5	152.5	52.5	120.7	173.2	52.0	137.9	189.9	80.0	190.0	270.0	80.0	190.0	270.0
80.0	147.7	227.7	83.5	154.0	237.5	90.5	149.0	239.5	113.0	195.0	308.0	113.0	195.0	308.0
878.9	**1414.4**	**2293.3**	**937.0**	**1493.4**	**2430.4**	**983.2**	**1567.5**	**2550.7**	**1205.0**	**1823.2**	**3028.2**	**1205.0**	**1823.2**	**3028.2**
0	0	0	0	0	0	0	0	0	2.0	3.0	5.0	2.0	5.0	7.0
18.0	42.0	60.0	20.0	43.8	63.8	23.0	46.8	69.8	60.0	70.0	130.0	60.0	76.0	136.0
54.0	36.2	90.2	60.0	40.7	100.7	68.0	41.5	109.5	92.0	87.0	179.0	92.0	87.0	179.0
69.0	82.0	151.0	68.5	86.0	154.5	69.0	92.0	161.0	82.0	109.0	191.0	89.0	109.0	198.0
7.6	13.2	20.8	8.0	13.5	21.5	8.2	17.4	25.6	12.0	23.0	35.0	12.0	23.0	35.0
88.4	72.6	161.0	91.4	75.0	166.4	93.4	77.5	170.9	122.0	80.0	202.0	122.0	84.0	206.0
45.0	112.5	157.5	53.0	116.5	169.5	60.0	125.5	185.5	78.0	170.0	248.0	78.0	170.0	248.0
345.0	277.0	622.0	372.8	291.5	664.3	377.8	314.0	691.8	452.0	452.0	904.0	452.0	488.0	940.0
29.0	50.0	79.0	33.0	52.0	85.0	35.0	65.0	100.0	61.0	97.5	158.5	61.0	100.0	161.0
656.0	**685.5**	**1341.5**	**706.7**	**719.0**	**1425.7**	**734.4**	**779.7**	**1514.1**	**961.0**	**1091.5**	**2052.5**	**968.0**	**1142.0**	**2110.0**
1534.9	**2099.9**	**3634.8**	**1643.7**	**2212.4**	**3856.1**	**1717.6**	**2347.2**	**4064.8**	**2166.0**	**2914.7**	**5080.7**	**2173.0**	**2965.2**	**5138.2**

TABLE 2B:
WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN (Continued)

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**1594.5**	**1889.2**	**3483.7**	**1411.6**	**1830.5**	**3242.1**	**1438.8**	**1836.7**	**3275.5**	**1121.4**	**1481.7**	**2603.1**
OTHER AMERICAS												
Argentina	29.6	22.6	52.2	21.3	12.9	34.2	16.0	8.3	24.3	18.1	11.9	30.0
Bolivia	0	0	0	0	0	0	0	0	0	1.0	0	1.0
Brazil	122.5	91.4	213.9	136.4	95.0	231.4	115.0	86.8	201.8	116.0	82.1	198.1
Canada	73.1	48.5	121.6	74.0	48.0	122.0	65.9	40.0	105.9	52.0	45.0	97.0
Chile	5.0	2.4	7.4	5.0	2.5	7.5	5.0	2.5	7.5	4.6	0.8	5.4
Colombia	28.7	8.0	36.7	28.2	10.9	39.1	32.8	11.2	44.0	31.0	8.8	39.8
Costa Rica	2.0	0	2.0	3.0	0	3.0	3.2	0	3.2	3.3	0	3.3
Ecuador	3.4	0	3.4	3.5	0	3.5	3.5	0	3.5	5.3	0	5.3
Guatemala	+	0	+	0	0	0	0	0	0	0	0	0
Mexico	136.1	93.0	229.1	137.0	102.4	239.4	133.0	111.0	244.0	117.1	115.4	232.5
Peru	7.0	21.0	28.0	10.5	22.5	33.0	10.1	21.1	31.2	11.2	29.4	40.6
Uruguay	1.1	2.4	3.5	1.1	2.6	3.7	0.9	2.1	3.0	0.9	2.7	3.6
Venezuela	11.7	6.1	17.8	11.5	6.0	17.5	7.5	6.0	13.5	8.2	3.6	11.8
Total Other Americas	**420.2**	**295.4**	**715.6**	**431.5**	**302.8**	**734.3**	**392.9**	**289.0**	**681.9**	**368.7**	**299.7**	**668.4**
JAPAN	**631.2**	**731.9**	**1363.1**	**625.7**	**731.1**	**1356.8**	**607.0**	**721.8**	**1328.8**	**593.8**	**708.2**	**1302.0**
OTHER AFRICA, ASIA & OCEANIA												
Australia/N.Z.	16.4	0.5	16.9	12.0	+	12.0	10.0	0	10.0	14.5	0.5	15.0
Bangladesh	0.2	0	0.2	0.3	0	0.3	0.2	0	0.2	0.2	0	0.2
China, P.R.O.	36.0	128.0	164.0	43.0	205.0	248.0	55.0	292.0	347.0	61.0	323.0	384.0
Egypt	1.5	0.4	1.9	1.8	5.0	6.8	2.0	5.0	7.0	3.3	17.6	20.9
India	35.8	27.8	63.6	39.7	30.8	70.5	50.9	39.8	90.7	62.0	44.2	106.2
Indonesia	22.7	50.3	73.0	41.5	53.9	95.4	46.4	55.1	101.5	67.2	58.0	125.2
Iran	5.0	0	5.0	6.0	0	6.0	10.0	10.0	20.0	11.5	20.0	31.5
Israel	9.9	6.4	16.3	10.5	6.6	17.1	10.5	6.8	17.3	9.0	7.0	16.0
Kenya	+	0	+	1.0	0	1.0	1.0	0	1.0	1.8	0	1.8
Korea, Rep. of	237.2	240.1	477.3	255.2	281.2	536.4	284.0	326.4	610.4	301.4	311.1	612.5
Malaysia	0	35.0	35.0	0	36.0	36.0	0	35.0	35.0	0	32.0	32.0
Nigeria	3.0	4.0	7.0	2.5	2.5	5.0	2.7	4.0	6.7	1.2	1.1	2.3
Pakistan	2.0	0	2.0	1.5	0	1.5	1.5	0	1.5	5.1	12.0	17.1
Philippines	25.0	11.6	36.6	30.0	14.0	44.0	32.0	14.0	46.0	29.0	15.0	44.0
South Africa	32.2	19.5	51.7	33.5	20.0	53.5	32.6	20.0	52.6	35.0	24.0	59.0
Sri Lanka	0	0	0	0	0	0	0.8	0	0.8	1.0	0	1.0
Taiwan	256.8	264.5	521.3	264.6	293.2	557.8	298.2	288.8	587.0	280.8	350.1	630.9
Tanzania	0	0	0	0	0	0	0	0	0	1.0	0	1.0
Thailand	39.7	49.9	89.6	36.5	49.5	86.0	40.4	56.3	96.7	37.1	48.0	85.1
Total Other A., A. & O.	**723.4**	**838.0**	**1561.4**	**779.6**	**997.7**	**1777.3**	**878.2**	**1153.2**	**2031.4**	**922.1**	**1263.6**	**2185.7**
WORLD TOTAL	**4889.4**	**5712.0**	**10601.4**	**4732.2**	**5743.4**	**10475.6**	**4808.7**	**6018.5**	**10827.2**	**4479.7**	**5666.7**	**10146.4**

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
1293.5	**1715.0**	**3008.5**	**1259.8**	**1677.1**	**2936.9**	**1286.3**	**1577.9**	**2864.2**	**1486.0**	**1960.4**	**3446.4**	**1491.9**	**2019.0**	**3510.9**
24.2	16.0	40.2	25.5	21.4	46.9	27.1	16.8	43.9	61.8	30.0	91.8	61.8	30.0	91.8
2.0	0	2.0	0	0	0	0	0	0	5.0	0	5.0	5.0	0	5.0
105.7	79.6	185.3	118.2	97.6	215.8	121.7	100.8	222.5	165.6	125.0	290.6	165.6	125.0	290.6
59.3	53.0	112.3	69.6	59.0	128.6	75.1	54.4	129.5	120.0	77.0	197.0	120.0	77.0	197.0
2.6	1.0	3.6	2.8	1.1	3.9	3.3	2.0	5.3	10.7	8.0	18.7	10.7	8.0	18.7
31.3	8.9	40.2	38.6	10.7	49.3	38.3	12.0	50.3	72.0	15.0	87.0	72.0	15.0	87.0
3.5	0	3.5	3.5	0	3.5	3.5	0	3.5	8.0	0	8.0	8.0	0	8.0
4.6	0	4.6	4.8	0	4.8	4.9	0	4.9	7.0	0	7.0	7.0	0	7.0
0	0	0	0	0	0	0	0	0	2.0	0	2.0	2.0	0	2.0
126.3	142.9	269.2	147.4	151.4	298.8	152.2	158.1	310.3	209.2	212.6	421.8	209.2	227.6	436.8
12.5	31.0	43.5	13.0	34.1	47.1	13.3	33.0	46.3	19.0	43.0	62.0	19.0	43.0	62.0
1.6	3.7	5.3	1.6	3.4	5.0	2.1	4.0	6.1	2.5	5.5	8.0	3.0	5.5	8.5
9.7	4.0	13.7	10.2	5.5	15.7	10.9	6.0	16.9	23.0	11.5	34.5	23.0	11.5	34.5
383.3	**340.1**	**723.4**	**435.2**	**384.2**	**819.4**	**452.4**	**387.1**	**839.5**	**705.8**	**527.6**	**1233.4**	**706.3**	**542.6**	**1248.9**
597.3	**720.9**	**1318.2**	**634.0**	**735.3**	**1369.3**	**640.2**	**757.3**	**1397.5**	**802.5**	**913.0**	**1715.5**	**802.5**	**913.0**	**1715.5**
14.5	1.0	15.5	13.0	1.0	14.0	13.5	1.0	14.5	25.5	1.5	27.0	25.5	1.5	27.0
0.2	5.0	5.2	0.3	10.0	10.3	0.4	0	0.4	0.9	18.0	18.9	0.9	18.0	18.9
66.0	343.4	409.4	103.1	498.0	601.1	125.0	631.0	756.0	191.0	745.0	936.0	211.0	845.0	1056.0
3.5	20.6	24.1	5.5	25.6	31.1	5.6	27.6	33.2	9.0	50.6	59.6	11.6	51.0	62.6
87.2	40.8	128.0	106.3	56.0	162.3	127.5	65.4	192.9	199.0	260.0	459.0	199.0	260.0	459.0
66.4	61.8	128.2	71.5	73.3	144.8	76.9	70.3	147.2	113.0	112.0	225.0	128.0	112.0	240.0
15.0	27.0	42.0	13.5	24.0	37.5	13.5	31.0	44.5	43.5	39.0	82.5	43.5	39.0	82.5
8.7	7.0	15.7	9.5	7.0	16.5	10.5	7.3	17.8	18.0	7.9	25.9	18.0	7.9	25.9
3.8	0	3.8	4.5	1.0	5.5	5.1	1.0	6.1	17.0	5.4	22.4	17.0	5.4	22.4
336.5	327.6	664.1	369.6	376.9	746.5	408.7	402.9	811.6	430,4	426.0	856.4	446.4	426.0	872.4
0	35.0	35.0	0	35.5	35.5	0	38.8	38.8	0	42.0	42.0	0	42.0	42.0
2.5	2.5	5.0	3.0	3.0	6.0	3.2	3.0	6.2	6.0	5.0	11.0	6.0	5.0	11.0
8.1	18.6	26.7	12.0	21.7	33.7	15.6	23.0	38.6	43.0	24.0	67.0	43.0	42.0	85.0
24.5	16.0	40.5	20.5	16.0	36.5	22.0	16.5	38.5	35.0	23.0	58.0	38.0	23.0	61.0
38.0	23.0	61.0	46.5	29.7	76.2	51.0	31.8	82.8	65.0	32.0	97.0	68.0	32.0	100.0
1.0	0	1.0	1.0	0	1.0	1.2	0	1.2	3.0	0	3.0	3.0	0	3.0
323.4	414.0	737.4	417.9	448.0	865.9	509.5	513.4	1022.9	747.0	761.0	1508.0	901.0	812.2	1713.2
3.0	0	3.0	3.0	0	3.0	3.0	0	3.0	7.0	0	7.0	7.0	0	7.0
40.0	50.0	90.0	37.0	52.4	89.4	37.1	55.0	92.1	75.8	68.0	143.8	74.0	68.0	142.0
1042.3	**1393.3**	**2435.6**	**1237.7**	**1679.1**	**2916.8**	**1429.3**	**1919.0**	**3348.3**	**2029.1**	**2620.4**	**4649.5**	**2240.9**	**2790.0**	**5030.9**
4851.3	**6269.2**	**11120.5**	**5210.4**	**6688.1**	**11898.5**	**5525.8**	**6988.5**	**12514.3**	**7189.4**	**8936.1**	**16125.5**	**7414.6**	**9229.8**	**16644.4**

TABLE 3A:
WORLD CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	12.0	98.8	110.8	15.3	100.6	115.9	15.6	107.9	123.5	13.8	100.8	114.6
Belgium/Netherlands	36.1	26.9	63.0	37.4	22.0	59.4	38.3	14.6	52.9	37.1	8.9	46.0
Finland	1.2	48.0	49.2	0.6	47.2	47.8	0	46.6	46.6	0	53.1	53.1
France	18.5	58.9	77.4	16.4	49.6	66.0	11.0	42.9	53.9	8.6	36.9	45.5
West Germany	58.1	50.0	108.1	65.2	46.0	111.2	65.0	50.0	115.0	61.5	50.0	111.5
Greece	7.2	0	7.2	7.2	0	7.2	7.2	0	7.2	7.2	0	7.2
Italy	38.4	39.0	77.4	36.6	27.5	64.1	35.1	24.4	59.5	31.6	14.2	45.8
Norway	0	29.3	29.3	0	28.4	28.4	0	28.4	28.4	0	20.0	20.0
Portugal	2.5	1.7	4.2	2.7	0.7	3.4	2.9	0.3	3.2	0.9	0	0.9
Spain	12.6	45.3	57.9	12.8	40.1	52.9	12.6	37.8	50.4	11.3	31.8	43.1
Sweden	0	36.9	36.9	0	34.9	34.9	0	34.7	34.7	0	38.0	38.0
Switzerland	3.3	0	3.3	1.8	0	1.8	+	0	+	0	0	0
Turkey	0.3	6.0	6.3	0.3	5.0	5.3	0.3	5.0	5.3	0.3	3.0	3.3
United Kingdom	59.2	139.2	198.4	36.7	109.3	146.0	27.0	102.4	129.4	24.0	89.2	113.2
Total Western Europe	**249.4**	**580.0**	**829.4**	**233.0**	**511.3**	**744.3**	**215.0**	**495.0**	**710.0**	**196.3**	**445.9**	**642.2**
EASTERN EUROPE												
Bulgaria	3.2	30.0	33.2	3.3	33.0	36.3	4.3	34.7	39.0	4.0	34.0	38.0
Czechoslovakia	22.0	36.0	58.0	19.8	34.9	54.7	18.2	36.0	54.2	19.6	35.5	55.1
Germany, D.R.	35.0	130.0	165.0	36.5	132.0	168.5	37.0	132.0	169.0	34.0	127.8	161.8
Hungary	0	8.6	8.6	0	9.0	9.0	0	7.5	7.5	0	7.6	7.6
Poland	27.2	56.6	83.8	25.4	61.0	86.4	19.5	44.4	63.9	19.3	45.1	64.4
Romania	9.7	55.0	64.7	9.5	54.0	63.5	9.6	55.0	64.6	8.2	50.0	58.2
U.S.S.R.	298.0	337.0	635.0	305.0	345.0	650.0	300.0	345.5	645.5	294.4	340.5	634.9
Yugoslavia	15.5	58.0	73.5	15.0	58.0	73.0	15.0	58.0	73.0	13.0	55.0	68.0
Total Eastern Europe	**410.6**	**711.2**	**1121.8**	**414.5**	**726.9**	**1141.4**	**403.6**	**713.1**	**1116.7**	**392.5**	**695.5**	**1088.0**
TOTAL EUROPE	**660.0**	**1291.2**	**1951.2**	**647.5**	**1238.2**	**1885.7**	**618.6**	**1208.1**	**1826.7**	**588.8**	**1141.4**	**1730.2**

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided as between rayon and acetate yarn, is given on pages 112 - 113. Also note page 115 for data on production of acetate staple and cigarette tow.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
11.4	109.7	121.1	14.8	109.0	123.8	14.9	109.0	123.9	16.0	113.0	129.0	16.0	113.0	129.0
41.1	6.1	47.2	41.1	0	41.1	42.0	0	42.0	45.2	0	45.2	45.2	0	45.2
0	57.6	57.6	0	58.0	58.0	0	60.0	60.0	0	65.0	65.0	0	68.0	68.0
8.4	29.5	37.9	7.5	19.0	26.5	7.0	15.0	22.0	10.0	20.0	30.0	10.0	20.0	30.0
59.0	55.0	114.0	61.0	55.0	116.0	64.0	55.0	119.0	69.0	58.0	127.0	69.0	58.0	127.0
6.3	0	6.3	6.0	0	6.0	7.0	0	7.0	8.0	0	8.0	8.0	0	8.0
29.3	0	29.3	30.6	0	30.6	30.2	0	30.2	39.0	0	39.0	39.0	0	39.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.9	0	0.9	1.0	0	1.0	1.0	0	1.0	2.0	0	2.0	2.0	0	2.0
10.5	21.5	32.0	7.2	26.1	33.3	7.5	30.0	37.5	17.1	32.0	49.1	17.1	32.0	49.1
0	39.3	39.3	0	40.1	40.1	0	33.0	33.0	0	45.0	45.0	0	45.0	45.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.3	4.0	4.3	0.3	4.5	4.8	0.3	5.0	5.3	0.5	8.0	8.5	0.5	8.0	8.5
25.0	115.2	140.2	21.0	106.2	127.2	19.0	60.2	79.2	25.0	80.5	105.5	25.0	80.5	105.5
192.2	**437.9**	**630.1**	**190.5**	**417.9**	**608.4**	**192.9**	**367.2**	**560.1**	**231.8**	**421.5**	**653.3**	**231.8**	**424.5**	**656.3**
4.1	35.0	39.1	4.1	37.1	41.2	4.1	37.6	41.7	5.0	42.0	47.0	5.0	42.0	47.0
20.1	37.9	58.0	20.5	38.6	59.1	20.9	39.6	60.5	25.0	61.0	86.0	25.0	61.0	86.0
35.0	130.1	165.1	35.2	135.0	170.2	35.4	141.0	176.4	39.0	166.0	205.0	39.0	166.0	205.0
0	6.4	6.4	0	7.0	7.0	0	7.0	7.0	0	10.0	10.0	0	10.0	10.0
18.2	51.2	69.4	19.5	56.0	75.5	20.5	60.0	80.5	31.5	71.5	103.0	32.0	71.5	103.5
8.5	51.0	59.5	8.5	51.0	59.5	8.8	53.0	61.8	10.0	160.0	170.0	10.0	160.0	170.0
300.0	345.0	645.0	307.0	345.0	652.0	312.0	350.0	662.0	340.0	353.0	693.0	340.0	353.0	693.0
14.0	58.0	72.0	14.0	55.0	69.0	14.9	55.0	69.9	17.0	60.0	77.0	17.0	60.0	77.0
399.9	**714.6**	**1114.5**	**408.8**	**724.7**	**1133.5**	**416.6**	**743.2**	**1159.8**	**467.5**	**923.5**	**1391.0**	**468.0**	**923.5**	**1391.5**
592.1	**1152.5**	**1744.6**	**599.3**	**1142.6**	**1741.9**	**609.5**	**1110.4**	**1719.9**	**699.3**	**1345.0**	**2044.3**	**699.8**	**1348.0**	**2047.8**

TABLE 3B:
WORLD CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (Continued)

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**169.4**	**252.4**	**421.8**	**161.3**	**204.3**	**365.6**	**138.6**	**210.7**	**349.3**	**103.6**	**161.0**	**264.6**
OTHER AMERICAS												
Argentina	5.1	4.7	9.8	2.0	1.5	3.5	1.0	0	1.0	1.6	0	1.6
Brazil	24.4	25.5	49.9	26.0	25.3	51.3	21.0	25.3	46.3	20.8	24.2	45.0
Canada	14.1	31.3	45.4	14.0	30.0	44.0	13.5	28.2	41.7	9.5	28.0	37.5
Chile	1.0	3.0	4.0	1.0	3.0	4.0	1.0	3.0	4.0	1.0	3.2	4.2
Colombia	3.4	0	3.4	2.4	0	2.4	1.8	0	1.8	1.8	0	1.8
Cuba	2.4	3.8	6.2	2.2	3.8	6.0	2.2	3.8	6.0	2.1	3.6	5.7
Mexico	17.1	10.3	27.4	16.8	11.0	27.8	16.6	11.3	27.9	14.1	5.4	19.5
Peru	1.3	0	1.3	1.5	0	1.5	1.3	0	1.3	1.0	0	1.0
Uruguay	1.4	0	1.4	1.3	0	1.3	1.0	0	1.0	0.6	0	0.6
Venezuela	3.0	0	3.0	2.8	0	2.8	2.8	0	2.8	1.2	0	1.2
Total Other Americas	**73.2**	**78.6**	**151.8**	**70.0**	**74.6**	**144.6**	**62.2**	**71.6**	**133.8**	**53.7**	**64.4**	**118.1**
JAPAN	**114.3**	**290.4**	**404.7**	**119.3**	**278.0**	**397.3**	**118.7**	**273.5**	**392.2**	**120.5**	**258.8**	**379.3**
OTHER AFRICA, ASIA & OCEANIA												
Bangladesh	4.1	0	4.1	3.5	0	3.5	3.0	0	3.0	2.5	0	2.5
China, P.R.O.	68.0	85.0	153.0	75.0	95.0	170.0	80.0	105.0	185.0	80.0	105.0	185.0
Egypt	5.8	4.2	10.0	6.0	4.0	10.0	6.0	4.0	10.0	7.0	4.5	11.5
India	60.5	92.2	152.7	57.7	74.7	132.4	55.9	94.5	150.4	48.6	52.8	101.4
Indonesia	0	0	0	0	0	0	0	0	0	0	18.1	18.1
Iraq	2.9	5.4	8.3	3.0	5.5	8.5	3.0	5.5	8.5	3.0	5.5	8.5
Korea, Rep. of	13.2	10.4	23.6	12.4	15.0	27.4	12.8	13.9	26.7	9.9	5.8	15.7
Pakistan	2.0	0	2.0	2.7	0	2.7	2.4	0	2.4	2.5	0	2.5
Taiwan	3.0	70.0	73.0	3.0	75.3	78.3	3.0	96.7	99.7	3.3	89.5	92.8
Thailand	0	15.1	15.1	0	16.4	16.4	0	16.4	16.4	0	15.5	15.5
Total Other A., A. & O.	**159.5**	**282.3**	**441.8**	**163.3**	**285.9**	**449.2**	**166.1**	**336.0**	**502.1**	**156.8**	**296.7**	**453.5**
WORLD TOTAL	**1176.4**	**2194.9**	**3371.3**	**1161.4**	**2081.0**	**3242.4**	**1104.2**	**2099.9**	**3204.1**	**1023.4**	**1922.3**	**2945.7**

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
119.7	**170.6**	**290.3**	**108.4**	**176.4**	**284.8**	**93.0**	**160.1**	**253.1**	***110.7***	***210.9***	***321.6***	***110.7***	***210.9***	***321.6***
1.7	0	1.7	1.8	1.5	3.3	1.5	1.5	3.0	*9.0*	*10.0*	*19.0*	*9.0*	*10.0*	*19.0*
18.4	22.0	40.4	17.7	29.0	46.7	20.1	26.5	46.6	*22.2*	*31.2*	*53.4*	*22.2*	*31.2*	*53.4*
10.0	30.0	40.0	10.0	33.9	43.9	8.0	26.9	34.9	*14.5*	*38.0*	*52.5*	*14.5*	*38.0*	*52.5*
1.0	3.2	4.2	1.2	3.7	4.9	1.3	3.8	5.1	*1.5*	*5.4*	*6.9*	*1.5*	*5.4*	*6.9*
1.8	0	1.8	1.8	0	1.8	1.8	0	1.8	*3.5*	*0*	*3.5*	*3.5*	*0*	*3.5*
2.0	3.5	5.5	2.0	3.5	5.5	2.1	3.5	5.6	*3.0*	*5.0*	*8.0*	*3.0*	*5.0*	*8.0*
10.8	5.0	15.8	11.6	4.0	15.6	12.2	0	12.2	*13.5*	*0*	*13.5*	*13.7*	*0*	*13.7*
1.0	0	1.0	1.7	0	1.7	1.7	0	1.7	*1.7*	*0*	*1.7*	*1.7*	*0*	*1.7*
1.0	0	1.0	1.0	0	1.0	1.0	0	1.0	*1.0*	*0*	*1.0*	*1.0*	*0*	*1.0*
1.5	0	1.5	1.9	0	1.9	2.1	0	2.1	*2.4*	*0*	*2.4*	*2.4*	*0*	*2.4*
49.2	**63.7**	**112.9**	**50.7**	**75.6**	**126.3**	**51.8**	**62.2**	**114.0**	***72.3***	***89.6***	***161.9***	***72.5***	***89.6***	***162.1***
116.8	**271.0**	**387.8**	**110.8**	**266.6**	**377.4**	**104.6**	**244.9**	**349.5**	***136.4***	***314.4***	***450.8***	***136.4***	***314.4***	***450.8***
2.5	1.0	3.5	2.5	1.0	3.5	2.7	1.0	3.7	*6.5*	*5.0*	*11.5*	*6.5*	*5.0*	*11.5*
85.0	100.0	185.0	87.0	108.0	195.0	87.0	112.0	199.0	*100.0*	*115.0*	*215.0*	*100.0*	*115.0*	*215.0*
7.0	4.6	11.6	7.0	4.6	11.6	7.0	4.7	11.7	*7.0*	*5.4*	*12.4*	*7.0*	*5.4*	*12.4*
46.2	69.9	116.1	41.7	100.1	141.8	46.9	95.0	141.9	*70.0*	*128.8*	*198.8*	*70.0*	*128.8*	*198.8*
0	34.1	34.1	0	41.3	41.3	0	40.0	40.0	*0*	*47.0*	*47.0*	*0*	*47.0*	*47.0*
3.0	5.5	8.5	3.0	5.5	8.5	3.0	5.5	8.5	*3.5*	*6.5*	*10.0*	*3.5*	*6.5*	*10.0*
12.9	0	12.9	12.8	0	12.8	13.8	0	13.8	*14.2*	*28.1*	*42.3*	*14.2*	*28.1*	*42.3*
2.7	0	2.7	3.1	0	3.1	3.2	0	3.2	*3.3*	*0*	*3.3*	*3.3*	*0*	*3.3*
3.0	98.5	101.5	2.5	125.5	128.0	2.5	119.5	122.0	*4.3*	*130.0*	*134.3*	*4.3*	*130.0*	*134.3*
0	17.5	17.5	0	18.0	18.0	0	19.0	19.0	*0*	*18.2*	*18.2*	*0*	*20.8*	*20.8*
162.3	**331.3**	**493.4**	**159.6**	**404.0**	**563.6**	**166.1**	**396.7**	**562.8**	***208.8***	***484.0***	***692.8***	***208.8***	***486.6***	***695.4***
1040.1	**1988.9**	**3029.0**	**1028.8**	**2065.2**	**3094.0**	**1025.0**	**1974.3**	**2999.3**	***1227.5***	***2443.9***	***3671.4***	***1228.2***	***2449.5***	***3677.7***

TABLE 4:
RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY

THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE												
Austria	8	4	0	11	4	0	11	5	0	9	5	0
Belgium/Netherlands	14	15	7	15	16	6	16	16	6	15	16	6
France	9	9	0	8	9	0	2	9	0	0	9	0
West Germany[c]	33	23	2	40	24	1	39	25	1	40	21	+
Italy[c]	11	9	18	11	5	21	11	5	19	9	3	19
Spain	5	5	3	6	4	3	6	3	3	4	4	3
United Kingdom	11	10	38	1	2	34	0	0	27	0	0	24
Other[a]	0	15	0	0	12	0	0	11	0	0	9	0
Total Western Europe	**91**	**90**	**68**	**92**	**76**	**65**	**85**	**74**	**56**	**77**	**67**	**52**
EASTERN EUROPE												
Bulgaria	0	3	0	0	3	0	0	4	0	0	4	0
Czechoslovakia	10	12	0	9	11	0	8	10	0	8	12	0
Germany, D.R.	13	22	0	14	23	0	14	23	0	13	21	0
Poland	7	20	0	7	18	0	5	15	0	4	15	0
Romania	6	4	0	6	4	0	6	4	0	5	3	0
U.S.S.R.[c]	163	80	55	165	85	55	165	80	55	160	80	54
Yugoslavia	7	9	0	7	8	0	7	8	0	6	7	0
Total Eastern Europe	**206**	**150**	**55**	**208**	**152**	**55**	**205**	**144**	**55**	**196**	**142**	**54**
U.S.A.[c]	**19**	**7**	**143**	**14**	**7**	**140**	**15**	**7**	**117**	**9**	**6**	**88**
OTHER AMERICAS												
Argentina	1	3	1	1	1	+	0	+	1	0	0	2
Brazil	7	15	3	6	16	4	4	14	3	4	15	2
Canada	0	0	14	0	0	14	0	0	13	0	0	10
Chile	0	1	0	0	1	0	0	1	0	0	1	0
Colombia	0	0	4	0	0	2	0	0	2	0	0	2
Cuba	2	+	0	2	+	0	2	+	0	2	+	0
Mexico	3	6	8	3	6	8	3	6	8	3	5	6
Peru	0	+	1	0	0	2	0	0	1	0	0	1
Uruguay	0	0	1	0	0	1	0	0	1	0	0	1
Venezuela	0	0	3	0	0	3	0	0	3	0	0	1
Total Other Americas	**13**	**25**	**35**	**12**	**24**	**34**	**9**	**21**	**32**	**9**	**21**	**25**
JAPAN[c]	**3**	**80**	**31**	**3**	**84**	**32**	**4**	**82**	**32**	**4**	**83**	**34**
OTHER AFRICA, ASIA & OCEANIA												
India	17	42	2	14	42	2	14	40	2	11	36	2
Pakistan	0	0	2	0	0	3	0	0	2	0	0	2
Rep. of Korea	0	11	2	0	10	2	0	11	2	0	8	2
Other[b]	0	84	0	0	90	0	0	95	0	0	97	0
Total A., A. & O.	**17**	**137**	**6**	**14**	**142**	**7**	**14**	**146**	**6**	**11**	**141**	**6**
TOTAL WORLD	**349**	**489**	**338**	**343**	**485**	**333**	**332**	**474**	**298**	**306**	**460**	**259**

H Means high tenacity (tire & industrial type) viscose rayon yarn.

R Means regular + intermediate tenacity viscose rayon yarn.

C Means cuprammonium rayon yarn.

A Means acetate + triacetate yarn.

a. Comprises Finland, Greece, Portugal, Switzerland and Turkey.

b. Comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

c. Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
8	4	0	10	5	0	10	5	0	*11*	*5*	*0*	*11*	*5*	*0*
18	17	7	18	16	7	18	17	7	*19*	*18*	*8*	*19*	*18*	*8*
0	8	0	0	7	0	0	7	0	*0*	*10*	*0*	*0*	*10*	*0*
39	20	0	40	21	0	40	24	0	*43*	*26*	*0*	*43*	*26*	*0*
9	2	18	11	2	18	10	2	18	*12*	*7*	*20*	*12*	*7*	*20*
3	4	3	+	4	3	+	4	3	*8*	*5*	*4*	*8*	*5*	*4*
0	0	25	0	0	21	0	0	19	*0*	*0*	*25*	*0*	*0*	*25*
0	8	0	0	7	0	0	8	0	*0*	*11*	*0*	*0*	*11*	*0*
77	**63**	**53**	**79**	**62**	**49**	**78**	**67**	**47**	***93***	***82***	***57***	***93***	***82***	***57***
0	4	0	0	4	0	0	4	0	*0*	*5*	*0*	*0*	*5*	*0*
8	12	0	8	12	0	8	13	0	*11*	*14*	*0*	*11*	*14*	*0*
14	22	0	14	22	0	14	22	0	*15*	*24*	*0*	*15*	*24*	*0*
4	14	0	5	15	0	5	16	0	*9*	*23*	*0*	*9*	*23*	*0*
5	3	0	5	3	0	5	4	0	*6*	*4*	*0*	*6*	*4*	*0*
162	83	55	165	85	57	166	87	59	*170*	*100*	*70*	*170*	*100*	*70*
7	7	0	7	7	0	8	7	0	*8*	*9*	*0*	*8*	*9*	*0*
200	**145**	**55**	**204**	**148**	**57**	**206**	**153**	**59**	***219***	***179***	***70***	***219***	***179***	***70***
11	**6**	**103**	**13**	**6**	**90**	**9**	**6**	**78**	***21***	***8***	***82***	***21***	***8***	***82***
0	0	2	0	0	2	0	0	2	*0*	*6*	*3*	*0*	*6*	*3*
3	14	1	4	12	2	4	15	1	*5*	*16*	*1*	*5*	*16*	*1*
0	0	10	0	0	10	0	0	8	*0*	*0*	*14*	*0*	*0*	*14*
0	1	0	0	1	0	0	1	0	*0*	*1*	*0*	*0*	*1*	*0*
0	0	2	0	0	2	0	0	2	*0*	*0*	*4*	*0*	*0*	*4*
2	+	0	2	0	0	2	0	0	*3*	*0*	*0*	*3*	*0*	*0*
3	2	6	2	3	6	3	3	6	*3*	*4*	*7*	*3*	*4*	*7*
0	0	1	0	0	2	0	0	2	*0*	*0*	*2*	*0*	*0*	*2*
0	0	1	0	0	1	0	0	1	*0*	*0*	*1*	*0*	*0*	*1*
0	0	1	0	0	2	0	0	2	*0*	*0*	*2*	*0*	*0*	*2*
8	**17**	**24**	**8**	**16**	**27**	**9**	**19**	**24**	***11***	***27***	***34***	***11***	***27***	***34***
3	**82**	**32**	**2**	**78**	**31**	**2**	**74**	**28**	***10***	***92***	***35***	***10***	***92***	***35***
10	35	1	8	33	1	7	40	+	*21*	*46*	*3*	*21*	*46*	*3*
0	0	3	0	0	3	0	0	3	*0*	*0*	*3*	*0*	*0*	*3*
0	11	2	0	11	2	0	12	2	*0*	*12*	*2*	*0*	*12*	*2*
0	100	0	0	102	0	0	102	0	*0*	*121*	*0*	*0*	*121*	*0*
10	**146**	**6**	**8**	**146**	**6**	**7**	**154**	**5**	***21***	***179***	***8***	***21***	***179***	***8***
309	**459**	**273**	**314**	**456**	**260**	**311**	**473**	**241**	***375***	***567***	***286***	***375***	***567***	***286***

TABLE 5:
WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN

THOUSAND METRIC TONS

FIBER & AREA	ACTUAL PRODUCTION																					PRODUCING CAPACITY					
	1979			1980			1981			1982			1983			1984			1985			1986			1987		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																											
West Europe	+	795	795	+	737	737	+	807	807	0	725	725	0	834	834	1	865	866	1	922	923	*1*	*1021*	*1022*	*1*	*1021*	*1022*
East Europe	0	213	213	0	217	217	0	211	211	0	213	213	0	222	222	0	232	232	0	254	254	*0*	*342*	*342*	*0*	*378*	*378*
U.S.A.	0	345	345	0	355	355	0	313	313	0	283	283	0	304	304	0	304	304	0	286	286	*0*	*264*	*264*	*0*	*278*	*278*
Other Americas	0	108	108	0	114	114	0	106	106	0	121	121	0	130	130	0	140	140	0	143	143	*0*	*198*	*198*	*0*	*213*	*213*
Japan	4	355	359	3	350	353	1	347	348	3	344	347	2	355	357	2	367	369	2	380	382	*6*	*425*	*431*	*6*	*425*	*431*
Other A, A. & O.	0	249	249	0	284	284	0	305	305	0	369	369	0	380	380	0	398	398	0	423	423	*0*	*581*	*581*	*0*	*581*	*581*
TOTAL	**4**	**2065**	**2069**	**3**	**2057**	**2060**	**1**	**2089**	**2090**	**3**	**2055**	**2058**	**2**	**2225**	**2227**	**3**	**2306**	**2309**	**3**	**2408**	**2411**	***7***	***2831***	***2838***	***7***	***2896***	***2903***
NYLON+ARAMID[a]																											
West Europe	571	148	719	521	128	649	521	129	650	465	107	572	486	117	603	496	133	629	522	142	664	*641*	*190*	*831*	*641*	*190*	*831*
East Europe	414	31	445	461	55	516	454	79	533	457	82	539	485	87	572	512	93	605	529	95	624	*638*	*109*	*747*	*644*	*109*	*753*
U.S.A.	808	426	1234	740	330	1070	717	341	1058	563	311	874	677	420	1097	715	379	1094	687	375	1062	*806*	*486*	*1292*	*833*	*507*	*1340*
Other Americas	205	23	228	208	23	231	181	20	201	182	21	203	180	22	202	209	22	231	224	16	240	*350*	*42*	*392*	*350*	*42*	*392*
Japan	296	17	313	300	18	318	282	19	301	264	19	283	271	18	289	288	19	307	291	24	315	*327*	*29*	*356*	*327*	*29*	*356*
Other A, A. & O.	332	3	335	365	2	367	393	3	396	379	4	383	398	5	403	452	6	458	485	7	492	*677*	*13*	*690*	*747*	*13*	*760*
TOTAL	**2626**	**648**	**3274**	**2595**	**556**	**3151**	**2548**	**591**	**3139**	**2310**	**544**	**2854**	**2497**	**669**	**3166**	**2672**	**652**	**3324**	**2738**	**659**	**3397**	***3439***	***869***	***4308***	***3542***	***890***	***4432***
POLYESTER																											
West Europe	407	445	852	359	407	766	378	449	827	393	428	821	387	454	841	435	487	922	454	495	949	*555*	*600*	*1155*	*555*	*600*	*1155*
East Europe	118	308	426	135	321	456	132	334	466	152	347	499	171	373	544	194	390	584	205	427	632	*322*	*631*	*953*	*323*	*647*	*970*
U.S.A.	779	1117	1896	663	1146	1809	712	1182	1894	550	887	1437	617	991	1608	544	994	1538	599	917	1516	*666*	*1210*	*1876*	*645*	*1234*	*1879*
Other Americas	214	164	378	223	166	389	210	163	373	186	158	344	202	189	391	225	222	447	228	228	456	*355*	*288*	*643*	*355*	*288*	*643*
Japan	314	318	632	305	321	626	310	321	631	314	314	628	310	320	630	327	320	647	329	323	652	*438*	*356*	*794*	*438*	*356*	*794*
Other A, A. & O.	386	556	942	409	672	1081	479	795	1274	536	840	1376	637	949	1586	778	1205	1983	934	1419	2353	*1337*	*1989*	*3326*	*1478*	*2159*	*3637*
TOTAL	**2218**	**2908**	**5126**	**2094**	**3033**	**5127**	**2221**	**3244**	**5465**	**2131**	**2974**	**5105**	**2324**	**3276**	**5600**	**2503**	**3618**	**6121**	**2749**	**3809**	**6558**	***3673***	***5074***	***8747***	***3794***	***5284***	***9078***
OTHER FIBERS[b] EXCEPT OLEFIN																											
West Europe	5	11	16	6	11	17	6	7	13	6	9	15	6	9	15	6	9	15	6	9	15	*8*	*12*	*20*	*8*	*12*	*20*
East Europe	5	7	12	+	4	4	1	3	4	1	3	4	+	3	3	1	4	5	1	4	5	*1*	*9*	*10*	*1*	*9*	*10*
U.S.A.	8	1	9	9	+	9	10	1	11	8	1	9	+	+	+	+	+	+	+	+	+	*14*	*0*	*14*	*14*	*0*	*14*
Other Americas	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	*2*	*0*	*2*	*1*	*0*	*1*
Japan	17	42	59	18	43	61	14	33	47	13	31	44	14	28	42	17	29	46	18	30	48	*32*	*103*	*135*	*32*	*103*	*135*
Other A, A. & O.	5	30	35	6	40	46	7	50	57	7	50	57	7	59	66	7	70	77	10	70	80	*15*	*37*	*52*	*15*	*37*	*52*
TOTAL	**41**	**91**	**132**	**40**	**98**	**138**	**39**	**94**	**133**	**36**	**94**	**130**	**28**	**99**	**127**	**32**	**112**	**144**	**36**	**113**	**149**	***72***	***161***	***233***	***71***	***161***	***232***
TOTAL FIBERS ABOVE																											
West Europe	983	1399	2382	886	1283	2169	905	1392	2297	864	1269	2133	879	1414	2293	938	1494	2432	983	1568	2551	*1205*	*1823*	*3028*	*1205*	*1823*	*3028*
East Europe	537	559	1096	596	597	1193	587	627	1214	610	645	1255	656	685	1341	707	719	1426	735	780	1515	*961*	*1091*	*2052*	*968*	*1143*	*2111*
U.S.A.	1595	1889	3484	1412	1831	3243	1439	1837	3276	1121	1482	2603	1294	1715	3009	1259	1677	2936	1286	1578	2864	*1486*	*1960*	*3446*	*1492*	*2019*	*3511*
Other Americas	420	295	715	432	303	735	392	289	681	369	300	669	383	341	724	435	384	819	453	387	840	*707*	*528*	*1235*	*706*	*543*	*1249*
Japan	631	732	1363	626	732	1358	607	720	1327	594	708	1302	597	721	1318	634	735	1369	640	757	1397	*803*	*913*	*1716*	*803*	*913*	*1716*
Other A, A. & O.	723	838	1561	780	998	1778	879	1153	2032	922	1263	2185	1042	1393	2435	1237	1679	2916	1429	1919	3348	*2029*	*2620*	*4649*	*2240*	*2790*	*5030*
WORLD TOTAL	**4889**	**5712**	**10601**	**4732**	**5744**	**10476**	**4809**	**6018**	**10827**	**4480**	**5667**	**10147**	**4851**	**6269**	**11120**	**5210**	**6688**	**11898**	**5526**	**6989**	**12515**	***7191***	***8935***	***16126***	***7414***	***9231***	***16645***

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 104 - 107.

a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex in 1983 through 1985.

TABLE 6:
WORLD GLASS FIBER PRODUCTION & PRODUCING CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1979	1980	1981	1982	1983	1984	1985	*1986*	*1987*
WEST EUROPE	310	300	277	250	290	300	320	*375*	*375*
EAST EUROPE[a]								*50*	*50*
U.S.A.	460	393	472	408	530	632	700	*839*	*872*
OTHER AMERICAS	28	30	31	35	37	39	51	*60*	*60*
JAPAN	178	167	174	198	206	249	273	*314*	*314*
OTHER A,A & O[b]	12	13	14	12	14	14	28	*31*	*30*
TOTAL ABOVE	**988**	**903**	**968**	**903**	**1077**	**1234**	**1372**	***1683***	***1701***
CHINA P.R.C.	NA	NA	NA	30	30	40	50	*60*	*60*
U.S.S.R.	NA	NA	NA	65	65	75	85	*110*	*110*

Glass fiber is defined on page 116 of this issue. The glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1986 (1986) and December 1987 (1987).

NA Not Available

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

TABLE 7:
ESTIMATED WORLD CIGARETTE TOW PRODUCTION

THOUSAND METRIC TONS

AREA	1979	1980	1981	1982	1983	1984	1985
EUROPE[a]	74	74	81	81	80	80	83
U.S.A.	199	220	226	216	211	187	210
OTHER AMERICAS[b]							
ASIA[c]	41	41	42	42	43	47	44
WORLD TOTAL	**314**	**335**	**349**	**339**	**334**	**314**	**347**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom.

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Rep. of Korea.

TABLE 8:
WORLD ACETATE STAPLE PRODUCTION & CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1979	1980	1981	1982	1983	1984	1985	*1986*	*1987*
U.K.	0.5	0.3	0.2	0.2	0.2	0.2	0.2	*0.5*	*0.5*
U.S.A.	3.2	3.2	1.8	0.5	0.6	0.2	0.2	*0.2*	*0.2*
CANADA	0	0	0	0	0	0	0	*0*	*0*
INDIA	0.4	0.1	0.3	0.3	0.2	0.2	+	*0.8*	*0.8*
WORLD TOTAL	**4.1**	**3.6**	**2.3**	**1.0**	**1.0**	**0.6**	***0.4***	***1.5***	***1.5***

TABLE 9:
WORLD OLEFIN FIBER PRODUCTION

THOUSAND METRIC TONS

COUNTRY	1979	1980	1981	1982	1983	1984	1985
WEST EUROPE							
BENELUX	56	57	66	73	75	77	78
DENMARK	15	14	14	13	14	14	15
FRANCE	24	27	28	26	29	29	29
WEST GERMANY	57	53	56	55	61	61	62
IRELAND (EIRE)	6	9	9	8	9	9	9
ITALY	61	57	62	59	67	71	71
UNITED KINGDOM	82	80	81	76	80	80	81
SUBTOTAL EEC	**301**	**297**	**316**	**310**	**335**	**341**	**345**
AUSTRIA	19	18	17	19	20	21	22
FINLAND	3	3	3	3	4	4	4
GREECE/CYPRUS	10	9	9	9	10	9	9
NORWAY	4	4	4	4	5	4	4
PORTUGAL	38	40	38	38	39	39	40
SPAIN	37	38	38	36	36	37	37
SWEDEN	3	3	3	3	4	4	4
SWITZERLAND	3	3	3	3	4	4	4
TURKEY	5	5	5	5	6	6	6
TOTAL WEST EUROPE	**423**	**420**	**436**	**430**	**463**	**469**	**475**
EAST EUROPE							
CZECHOSLOVAKIA	12	11	11	11	12	12	12
HUNGARY	13	15	16	16	16	16	17
POLAND	13	14	15	12	15	16	16
U.S.S.R.	15	15	15	14	18	20	22
U.S.A.							
YARN+MONOFIL	151	147	145	134	168	175	192
STAPLE	54	52	64	63	86	113	137
FILM FIBER	139	140	148	131	149	154	233
OTHER AMERICAS							
ARGENTINA	11	10	10	11	12	12	13
BRAZIL	39	40	40	39	36	39	39
CANADA	32	30	30	28	32	30	32
CHILE	1	1	1	1	1	1	1
EL SALVADOR	2	2	2	2	3	3	3
GUATEMALA							
HONDURAS							
MEXICO	20	22	23	23	26	26	26
NICARAGUA	1	1	1	1	1	1	1
PERU	5	5	6	6	6	6	6
URUGUAY	1	1	2	1	2	2	2
JAPAN							
YARN+MONOFIL	18	16	14	14	14	14	14
STAPLE	29	27	26	28	29	32	35
FILM FIBER	NA	NA	NA	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	20	20	20	19	21	22	23
KOREA, REP. OF	8	4	3	2	1	1	1
PHILIPPINES	2	2	2	3	3	3	3
SOUTH AFRICA	3	3	3	3	5	5	5
TAIWAN	46	50	53	56	60	63	71
OTHER	+	+	+	+	1	1	1

The olefin data shown comprise (a) the tonnages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional tonnages of olefin fiber not included in the aforementioned data. Note text on page 143.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

1986 WORLD DIRECTORY OF MAN-MADE FIBER PRODUCERS

NOTES & DEFINITIONS

This directory of producers lists each country seperately and divides them into the following categories:

(1) Cellulosic plus Noncellulosic Fibers
(2) Olefin fiber
(3) Textile glass fiber

The locality shown represents a plant site.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

Indicates a company producing olefin fiber as well as other man-made fiber(s). For example, Brasil Viscose S.A. produces olefin fiber in Brazil as well as nylon and rayon. The nylon and rayon entries for this company are in one section and the olefin entry is shown in the Olefin Fiber section.

* Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1987 or later.

Yarn means filament yarn.
Monofil means an extruded monofilament and may be either a round or rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.
Film includes **Slit**: tape produced by slitting an already attenuated wide sheet of olefin film; and **Split:** fibrillated slit film.
Not included in this survey is the slit film used for decorative or tying ribbon and such.
Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The following are generic names, in bold type, and a brief description of the fibers covered by each name is shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber.

Glass fiber is produced and sold as filament yarn, strand, roving, mat, chopped strand, milled fiber and staple yarn & sliver. In addition, there are two primary uses for glass fiber: Textile, used by textile mills in conventional constructions (e.g., drapery and tire cord) or Non-Textile, used for nonconventional constructions (e.g., reinforced plastics and roofing shingles).

For additional information, see the definitions on page 231 of the November 1985 ***Organon*** and page 35 of the March/April 1984 ***Organon.***

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate: Cellulose acetate. Cigarette filtration tow is excluded.
Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.
Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.
Cupra: Cuprammonium rayon.

The viscose rayon yarns are identified as **ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.
Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.
Azlon: Regenerated natural protein.
Nylon: A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and 66, the designation 6/66 is used.
Aramid: A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.
Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.
Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.
Saran: At least 80% vinylidene chloride by weight.
Spandex: At least 85% of segmented polyurethane.
Vinal: At least 50% by weight vinyl alcohol and wherein the vinyl alcohol plus acetal units are at least 85% by weight.
Vinyon: At least 85% vinyl chloride by weight.

Other man-made fibers included in this survey, but not listed by the FTC, are **Polycarbonate** (U.S.A.), **Polychlal** (Japan), **Promix** (Japan) and **TFE-&FEP-fluorocarbon** (Fluoro)(Japan, U.S.A. & U.S.S.R.).

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nytril are no longer produced.

Carbon fibers are not included in this survey

International Standard #2076, "Generic Names of Man-Made Fibres," as established by the International Organization for Standardization, lists some 23 names, of which the following are similar to the FTC designations: cupro, viscose, acetate, triacetate, acrylic, modacrylic, nylon or polyamide, polyester and glass. The IOS also lists modal (regenerated cellulose obtained by processes giving a high tenacity and a high wet modulus), alginate (metallic salts of alginic acid), chlorofibre (similar to the FTC's saran and vinyon), elastane (similar to the FTC's spandex), elastodiene, fluorofibre, polycarbamide, polyethylene & polypropylene (similar to the FTC's olefin), polyurethane, trivinyl and vinylal (similar to the FTC's vinal).

ALBANIA

(Producer not yet known)

Acrylic	(staple)
Polyester	(yarn & staple*)

ARGENTINA

COAFI S.A.

Polyester	Buenos Aires (yarn)

DUCILO S.A.I.C.

Nylon 66	Berazategui & Mercedes *Nylon Ducilo* (yarn)
Spandex	Mercedes (fused multifil or coalesced monofil)

HISISA ARGENTINA S.A.I.C.I.F.

Acrylic	Baradero *Cashmilon* (staple)

MANUFACTURAS DE FIBRAS SYNTETICAS (formerly Petroquimica Sudamericana)

Nylon 6	Olmos - Lapi (yarn)
Polyester	Olmos - Lapi (yarn & staple)

MITEXTIL S.A.

Nylon 6	Buenos Aires (yarn)

M. NAHMIAS S.A.C.I.

Polyester	Buenos Aires (yarn)

NICIEZA y TAVERNA HNOS. S.A.

Nylon 6	Chivilcoy *Grilon* (monofil)

RHODIA ARGENTINA QUIMICA e TEXTIL

Acetate	Quilmes (yarn)
Polyester	Quilmes *Tergal* (yarn)

SOCIEDAD NUEVAS INDUSTRIAS ARGENTINAS FIBRAS ARTIFICIALES S.A.I.C.F.I. (SNIAFA)

Nylon 6	Hernández-La Plata *Snialon* (yarn)
Rayon	Plátanos (reg yarn & staple)

SUDAMTEX S.A. TEXTIL SUDAMERICANA

Polyester	Azul *Acrocel* (staple)

VALENCIANA ARGENTINA S.A.

Nylon 6	Buenos Aires (yarn)

OLEFIN FIBER

AGAPOL S.A. (P yarn)

MANUFACTURA FORTI ARGENTINA S.A.C.I.A.F.I. Buenos Aires (P yarn & staple)

PANAMERICA DE PLASTICOS S.A.I.C. Olivos (P staple)

PETROQUIMICA Cuyo, Mondoza (P yarn)

TEXTILYUTE S.A.I.C. Isidro Casanova (P film)

VINISA S.A.I.C. Buenos Aires *Rafistal, Strofil* (E & P monofil)

GLASS FIBER

VIDRIERIA ARGENTINA S.A. (VASA) Llavallol *Texover*

AUSTRALIA

FIBREMAKERS LTD.

Biconstituent	Mulgrave, Victoria *Front Runner* (melded fabric)
Nylon 66	Bayswater, Victoria *Bri-Nylon* (yarn & monofil), Penrith, N.S.W. (tire cord)
Polyester	Bayswater *Terylene* (yarn, staple & tow)

UNITED CARPET MILLS PTY. LTD.

Nylon 6	Thomastown, Victoria *Unilon* (yarn)
Polyester	Thomastown (yarn)

In addition to the above, VILENE AUSTRALIA reportedly produces spunbonded products at Minto, N.S.W.; these are believed to be principally based on cellulosic fiber, but some polypropylene may be used.

OLEFIN FIBER

AMOCO FABRICS & FIBERS COMPANY, PATCHOGUE PLYMOUTH DIVISION Liverpool, N.S.W. *Poly Bac, Propex* (P film)

SARLON INDUSTRIES PTY. LTD Punchbowl, N.S.W. (E & P monofil & film)

OLEFIN FILM FIBER, only

A. ABRAHAMS & SONS PTY. LTD. Clayton, Victoria (*Koala, Polytex*)

CORDEX INDUSTRIES PTY. LTD. Gladesville, N.S.W.

GEO. KINNEAR & SONS PTY. LTD. Footscray, Victoria (*Emu*)

H. J. PENNO Adelaide, South Australia

TAPEX PTY. LTD. Sydney, N.S.W.

GLASS FIBER

ACI FIBREGLASS, A Unit of ACI Australia, Ltd. Dandenong, Victoria

AUSTRIA

AUSTRIA FASERWERKE G.m.b.H.

Polyester	Lenzing *Trevira* (staple)

CHEMIEFASER LENZING A.G.•

Fluoro	Lenzing (yarn & staple)
Rayon	Lenzing (staple)

GLANZSTOFF AUSTRIA G.m.b.H. (formely Enka-Austria)

Rayon	St. Pölten (ind & reg yarn)

OLEFIN FIBER

CHEMIE LINZ A.G. Linz *Asota, Linz-PP-Multifil, Linz-PP-Viles* (P yarn, staple & spunbonded)

OLEFIN FILM FIBER, only

CHEMIEFASER LENZING A.G. Lenzing

M. TEUFELBERGER Wels

SEUTTER Unter Eggendorf

BANGLADESH

ASHUGANJ PETROCHEMICAL COMPLEX

Acrylic	Ashuganj* (staple)

BANGLADESH CHEMICAL INDUSTRIES

Rayon	(staple)

KARNAPHULI RAYON AND CHEMICALS LIMITED

Rayon	Chandraghona, Chittagong (reg yarn & staple*)

PYLON INDUSTRIES LIMITED

Nylon 6	Fouzdarhat Industrial Estate, Chittagong *Pylon* (yarn)

BELGIUM

BAYER ANTWERPEN N.V.

Nylon 6	Antwerpen *Dorix* (staple)

BEAULIEU-NYLON S.A. •

Nylon 6	Kruishoutem, East Flanders (yarn & staple)

CELANESE S.A.

Acetate	Lanaken, Limburg (yarn)
Triacetate	Lanaken (yarn)

FABELTA NINOVE N.V.

Rayon	Ninove, East Flanders (reg yarn)

FABELTA ZWIJNAARDE S.A.

Nylon 66	Zwijnaarde, East Flanders *Fabelnyl* (yarn)

OLEFIN FIBER

DELOTEX (P staple)

N.V. FIBRILO Zele, East Flanders (P staple & film)

S.A. LA LOKEROISE Lokeren, East Flanders *Alpha Carpet, Delta Carpet* (P yarn & staple)

OSTEND STORES & ROPEWORKS S.A. Ostend, West Flanders

POLYFIL N.V. (Subsidiary of Beaulieu) Wielsbeke (P yarn)

T.T.C. POLYOLEFINS S.A. Overpelt, Limburg (P monofil)

OLEFIN FILM FIBER, only

N.V. JONCKVANSTEEN, Passendale

S.A. PHORMIUM, Zele, East Flanders

POLYTEXCO S.P.R.L., Beveren, Kortryk

S.A. U.C.O., Ledeberg, Gent

GLASS FIBER

N.V. BAYER S.A., Antwerpen

OWENS-CORNING FIBERGLAS EUROPE S.A. Battice, Liége *Fiberglas*

Cellulosic production and capacity data are combined with the Netherlands on page 108-109. Noncellulosic production and capacity data are combined with the Netherlands and Luxembourg under "Benelux" on page 104-105.

BOLIVIA

TEXTURBOL TEXTURIZADORA BOLIVIANA

Polyester	La Paz (yarn)

BRAZIL

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE •

Nylon 6	Igarassu, Pernambuco (monofil)

BANYLSA TECELAGEM DO BRASIL S.A.

Nylon 6	Aratú, Bahia (yarn)
Polyester	Aratú *Fio Banylsa Poliester* (yarn)

BRASIL VISCOSE S.A. •

Nylon 6	Jundiapeba, São Paulo *Giorgilon* (staple)
Rayon	Jundiapeba (staple)

CELANESE DO BRASIL - FIBRAS QÚIMICAS LTDA.

Polyester	Pocos de Caldas, Minas Gerais *Fortrel* (staple)

CIA. BRASILEIRA DE SINTÉTICOS

Nylon 6	Osasco (yarn)
Polyester	Osasco *Trevira* (yarn)

CIA. NITRO QÚIMICA BRASILEIRA

Rayon	São Miguel Paulista, São Paulo (reg yarn)

COBAFI - CIA. BAHIANA DE FIBRAS

Nylon 6	Camaçari, Bahia (yarn)
Polyester	Camaçari (yarn)

DE MILLUS S.A. INDUSTRIA E COMÉRCIO

Nylon 6	Rio de Janeiro *Demilon* (yarn)

DU PONT S.A. INDÚSTRIAS QÚIMICAS

Spandex	Paulinia, São Paulo *Lycra* (fused multifil)

EQUIPESCA - EQUIPAMENTOS DE PESCA S.A.

Nylon 6	Campinas, São Paulo (monofil)

FIÁÇAO GRASILEIRA DE RAYON - FIBRA S.A.

Nylon 6	Americana & Osasco, São Paulo *Lilion* (yarn)
Polyester	São Paulo (yarn)
Rayon	Americana (reg yarn & staple)

FISIBA - FÍBRAS SINTÉTICAS DA BAHIA S.A.

Acrylic	Camacari, Bahia *Triana* (staple)

INDUSTRIAS MATARAZZO DE FIBRAS SINTÉTICAS S.A.

Nylon 6	São José dos Campos, São Paulo (yarn)

MANAP - MANUFATURA NACIONAL DE PLÁSTICOS •

Nylon 6	Osasco, São Paulo *Caicara* (monofil)

MARCATTO S.A. IND. E COM. •

Nylon 6	Jaraguá do Sui, Santa Catarina (monofil)

MAZZAFERRO POLIMEROS E FIBRAS SINTÉTICAS LTDA.

Nylon 6	São Bernardo do Campo, São Paulo *Grilon, Trilon* (yarn & monofil)
Polyester	São Bernardo do Campo, São Paulo (monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS •

Nylon 6	São Paulo, São Paulo (monofil)

NOVELSPUMA - ESPUMA DE NYLON S.A.

Nylon 6	São Paulo, São Paulo (yarn)

BRAZIL (continued)

POLYENKA S.A.

Polyester	Americana, São Paulo *Diolen* (yarn)

POLYNOR S.A. INDÚSTRIA E COMÉRCIO DE FIBRAS SINTETICAS DA PARÁIBA

Polyester	João Pessoa, Paraiba *Amilon, Polynor* (yarn & staple)

RHODIA S.A.

Acetate	Santo André, São Paulo (yarn)
Acrylic	São José dos Campos, São Paulo *Crylor* (staple)
Nylon 66	Santo André *Dropnyl, Rhodianyl* (yarn & staple) São Bernardo do Campo, São Paulo *Celtral BCF* (yarn)
Polyester	Santo André *Dropgal-Tergal, Tergal* (yarn & staple), São José dos Campos *Bidim* (spunbonded) São Bernardo do Campo *Fortrel* (yarn)
Rayon	São José dos Campos (ind yarn & staple)

RHODIA NORDESTE S.A.

Polyester	Cabo, Pernambuco *Dropgal, Tergal* (yarn & staple)

SEARA IND. TÉXTIL LTDA. •

Nylon 6	Londrina, Paraná (monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO •

Nylon 6	São Paulo (yarn)

OLEFIN FIBER

ARTEPESCA - S.A. ARTIGOS DE PESCA DO NORDESTE Igarassu, Pernambuco (E & P monofil)

BRASIL VISCOSE S.A. Jundiapeba, São Paulo (P staple)

ETRÚRIA S.A. INDÚSTRIA DE FIBRAS E FIOS SINTÉTICOS Mairinque, São Paulo (P staple)

FADEMAC - FABRICA DE MATERIAIS DE CONSTR. S.A. Jacarei, São Paulo (P staple)

FITESA - FIAÇAO TÉXTIL DE EMBALAGENS PLÁSTICAS S.A. Guaiba, Rio Grande do Sul (P staple) & Porto Alegre, Rio Grande do Sul (P film)

INYLBRA S.A. TAPETES E VELUDOS Diadema, São Paulo (P staple)

MANAP - MANUFATURA NACIONAL DE PLÁSTICOS Osasco, São Paulo (P monofil)

MARCATTO S.A. IND. E COM. Jaragua do Sul, Santa Catarina (E & P monofil)

MONOFIL - CIA. INDUSTRIAL DE MONOFILAMENTOS São Paulo, São Paulo (P monofil)

SEARA IND. TÉXTIL LTDA. Londrina, Paraná (E & P monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO São Paulo, *Fibrilene, Polylene, Polyplan, Prolene* (P yarn, staple & film)

TAPETELENE - INDÚSTRIA S.A. Pajucara/Maramguape, Ceará (P staple)

TINTORIA S.A. - BENEFICIAMENTO DE FIO (P yarn)

OLEFIN FILM FIBER, only

BRASMEN TOL CACAPAVA S.A., Cacapava, São Paulo

BRAZIL (continued)

CACIQUE DE EMBALAGENS S.A INDÚSTRIA E COMÉRCIO, Londrina, Paraná

C.A.T.A. - CIA. AMAZONIA TÉXTIL DE ANIAGEM S.A., Belém, Pará

CIA. FAB. YOLANDA S.A., Recife, Pernambuco

CIA. JAUENSE INDUSTRIAL, Jau, São Paulo

CIA. UNIÃO MANUFATORA DE TECIDOS, Rio de Janeiro

DICOPLAST S.A. INDÚSTRIA E COMÉRCIO DE PLASTICOS, Presidente Prudente, São Paulo

EMPLA - EMBALAGENS PLÁSTICAS S.A., Rio de Janeiro

FIBRASA IND. E COM. DE FIOS E EMBALAGENS S.A., Espirito Santo

FIBROTEX TECELAGEM DE FIBRAS S.A., São Paulo

IMPLASA - INDÚSTRIA DE PLÁSTICOS ZANIOLO S.A., São José dos Pinhais, Paraná

INDÚSTRIA TÉXTIL TSUZUKI LTDA., Suzano, São Paulo

IPLAC DO BRASIL S.A. PLÁSTICOS, Fortaleza, Ceará

NOVOPLAST IND. E COM. DE PLÁSTICOS, Nova Odessa, São Paulo

PLABASA - PLÁSTICOS DA BÁHIA S.A., Salvador, Bahiá

PLASMINAS - PLÁSTICOS MINAS LTDA., Tres Pontas, Minas Gerais

PLÁSTICOS DO PARANÁ LTDA., Londrina, Paraná

PLÁSTICOS LINIL S.A., Recife, Pernambuco

PLÁSTICOS INDÚSTRIA DE EMBALAGENS LTDA., Campinas, São Paulo

QUALITAS IND. E COM. LTDA., São Paulo

SACOPLAST/PLANOSA - PLÁSTICOS DO NORDESTE S.A., Natal, Rio Grande do Norte

GLASS FIBER

OCFIBRAS Rio Claro, São Paulo *Fiberglas*

BULGARIA

KOMBINAT "DIMITAR DOMOV"•

Acrylic	Burgas *Bulana* (staple)
Nylon 6	Vidin *Vidlon* (yarn)
Polyester	Yambol *Yambolen* (yarn, staple & tow)

KOMBINAT "SVILOSA"

Rayon	Svishtov (reg yarn & staple)

OLEFIN FIBER

KOMABINAT "DIMITAR DOMOV" Yambol (P staple)

CANADA

BADISCHE CANADA LIMITED

Nylon 6	Arnprior, Ontario *Zefran* (yarn & staple)

CELANESE CANADA INC., FIBRES DIVISION*

Acetate	Drummondville, Quebec (yarn)

CELANESE CANADA (MILLHAVEN) INC.

Polyester	Millhaven, Ontario *Fortel* (yarn, staple, tow & fiberfill)

COURTAULDS (CANADA) LIMITED

Rayon	Cornwall, Ontario (staple)

DU PONT CANADA INC. *

Nylon 66	Kingston, Ontario *Antron, Cantrece, Du Pont* (yarn, staple & tow)
Polyester	Kingston *Dacron* (yarn)
Spandex	Maitland *Lycra* (fused multifil)

FIRESTONE TEXTILES CO.-A DIVISION OF FIRESTONE CANADA LTD.-LTEE

Nylon 6	Woodstock, Ontario (yarn & monofil)

OLEFIN FIBER

AMOCO FABRICS & FIBERS CO. Brantford & Hawkesbury, Ontario, St Jean, Quebec *Protel* (P yarn, staple, E & P monofil & P film)

CALKO MILLS LTD. Rivière du Loup, Quebec (P monofil)

CANADA WESTERN CORDAGE CO., LTD. New Westminster, B.C. (P monofil)

DOON TWINES LTD. Kitchener, Ontario (P yarn, monofil & staple)

DU PONT CANADA INC. North Bay, Ontario (P film)

GUELPH TWINES LTD. Guelph, Ontario (P monofil & film)

NOVASTRAND St. John, New Brunswick (P monofil)

POLI-TWINE CORP. LTD. Belleville, Ontario & Saskatoon, Saskatchewan *Polytie, PolyTwine, Spiralok* (P monofil)

SCHLEGEL COMPANY CANADA Oakville (P monofil)

STRUDEX FIBRES LTD., DIVISION OF KRAUS CARPET MILLS LTD. Waterloo (P yarn & staple - captive)

OLEFIN FILM FIBER, only

FIBERWORLD, LTD. Hawkesbury, Ontario

POLYMER INTERNATIONAL (N.S.) LTD. Truro, N.S.

GLASS FIBER

FIBERGLAS CANADA LIMITED Guelph, Ontario *Fiberglas*

CHILE

GOODYEAR DE CHILE, S.A.I.C.

Nylon 6	Maipú, Santiago (yarn & monofil)

INDUSTRIAS QUIMICAS GENERALES S.A.

Rayon	Quillota, Valparaiso (ind yarn & staple)

CHILE (continued)

LANERA AUSTRAL S.A.

Polyester	Santiago (yarn, staple & tops)

MANUFACTURAS SUMAR S.A.

Nylon 6	El Pinar 172, Santiago *Crilobal* (yarn)
Polyester	El Pinar 172 *Poligal* (yarn & staple)

QUIMICA INDUSTRIAL S.A.

Polyester	Maipú, Santiago *Polycron* (staple & tops)

CHINA, PEOPLE'S REPUBLIC OF

Although reliable information on locations of man-made fiber plants in the People's Republic of China is not available, every effort has been made to make the following listing as complete as possible.

RAYON and/or ACETATE PLANTS reported at:
Amoy, Antung, Canton, Foshan, Kirin, Nanchang, Nanking, Paoting and Shanghai.
NYLON PLANTS reported at:
Beijing; Hsinhsiang, Paoting Province; Jinzhou; Liaoyang; Pingdings; Shanghai; Shanyi; Sian; Sichuan; Sining; Tianjin and Zhenjiang.
POLYESTER PLANTS reported at:
Beijing; Changzhou, Jiangsu Province; Fangshen, Beijing Province; Guangzhou, Canton Province; Hangchow; Heilongjiang; Jinshan, Shanghai Province; Liaoyang; Nantong; Nanjing, Jiangsu Province; Shanghai; Sichuan; Taiyuan; Tianjin; Tientsin; Xinhu; Yizheng and Zhenjiang.
ACRYLIC PLANTS reported at:
Chenchiang, Harbin Province; Daquing; Lanzhou; Luda and Shanghai.
NONCELLULOSIC PLANTS reported at:
Beijing (vinal); Canton (vinyon); Chunking (vinyon); Foochow (vinyon); Lanzhou (olefin & vinal); Shanghai (vinyon); Shengli (vinyon) and Tientsin (vinyon).

The following three plants have been reported as producing glass fiber: Shanghai Glass Fiber Plant, Shanghai Tungfanghung Glass Fiber Plant and Tientsin Glass Fiber Plant.

COLOMBIA

CELANESE COLOMBIANA, S.A.

Acetate	Yumbo, near Cali, Valle del Cauca (yarn)
Nylon 6	Sabaneta, Antioquia *Nylocel* (yarn)
Polyester	Yumbo *Fortrel* (yarn & staple)

COLTEFIBRAS S.A.

Polyester	Igatui, Antioquia (yarn & staple)

ENKA DE COLOMBIA S.A.

Nylon 6	Girardota, Antioquia *Enkalon* (yarn)
Polyester	Girardota *Terlenka* (yarn & staple)

FABRICA DE HILAZAS VANYLON S.A.

Nylon 6	Barranquilla, Atlántico *Vanylon* (yarn & monofil)

POLIMEROS COLOMBIANOS S.A.

Polyester	Medellin, Antioquia *Primel* (yarn, staple, tow & tops)

ZYLETTE (LAFAYETTE)

Polyester	Bogotá (yarn)

OLEFIN FILM FIBER, only

COMPANIA NACIONAL DE EMPAQUES S.A. Medellin

PLASTICOS DE MAGDELENA LTDA. Santa Marta

POLYMER DE COLOMBIA S.A. Cartagena

COSTA RICA

OLYMPIC FIBERS, S.A.

Polyester	San Antonio de Belén (yarn)

CUBA

INDUSTRIAS CONSOLIDADAS DE MATANZAS, S.A.

Rayon	Matanzas (ind & reg yarn & staple)

CYPRUS

OLEFIN FIBER

LORDOS POLYSAC (LIMASSOL) LIMITED Limassol (P film)

CZECHOSLOVAKIA

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P.•
(GEORGE DIMITROV CHEMICAL WORKS, NATIONAL CORP.)

Rayon	Bratislava, Slovakia (reg yarn & staple)

CHEMLON, N.P. (CHEMLON, NATIONAL CORPORATION)

Nylon 6	Humenné, Slovakia *Chemlon* (yarn)

CHEMOSVIT, N.P. (CHEMOSVIT, NATIONAL CORPORATION)•

Nylon 6	Svit, Slovakia *Svitontex* (yarn & staple)
Rayon	Svit (reg yarn)

SEVEROCESKÉ CHEMICKÉ ZÁVODY, N.P.
(NORTH BOHEMIAN CHEMICAL WORKS, NATIONAL CORP.)

Rayon	Lovosice, Bohemia (ind yarn)

SILON, N.P. (SILON, NATIONAL CORPORATION)

Nylon 6	Planá nad Luznici, Bohemia *Silon* (yarn & monofil)
Polyester	Planá nad Luzniči *Tesil, Tevyro, Velana* (staple, tow & fiberfill)

SLOVENSKÝ HODVÁB, N.P.
(SLOVAKIAN FILAMENT YARN, NATIONAL CORPORATION)

Polyester	Senica nad Myjavou, Slovakia *Slotera* (yarn)
Rayon	Senica nad Myjavou (reg yarn)

SPOLANA, N.P. (SPOLANA, NATIONAL CORPORATION)

Rayon	Neratovice, Bohemia (staple)

OLEFIN FIBER

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P. Bratislava *Istrona, Labren, Nobelex* (P yarn & staple)

CHEMOSVIT,N.P. Svit *Prolen, Texizol* (P yarn & spunbonded)

JUTA, N.P. Úpice, Bohemia (P spunbonded)

OLEFIN FILM FIBER, only

JUTA, N.P. Adamov, Moravia and Bernartice u Trutnova, Dvur Králové, Jilemnice & Úpice, Bohemia

POVAZSKÉ CHEMICKÉ ZÁVODY, N.P. Zilina, Slovakia

TECHNOLEN, N.P. Lomnice nad Popelkou, Bohemia

CZECHOSLOVAKIA (continued)

GLASS FIBER

SKLOPLAST, N.P. (SKLOPLAST, NATIONAL CORPORATION) Trnava, Slovakia (yarn, chopped strand & mat)

VERTEX, N.P. (VERTEX, NATIONAL CORPORATION) Litomysl, Bohemia (yarn, roving, mat & staple yarn)

DENMARK

OLEFIN FIBER

A/S FIBERTEX Aalborg (P staple)

ESBJERG TOVVAERKSFABRIK A/S Esbjerg *Westflex* (E & P monofil & film; P staple)

JACOB HOLM VARDE A/S Varde *Danaklon, IHS* (E & P staple & film), *Krenit* (P reinforcing fiber)

OLEFIN FILM FIBER, only

R.F.W. PLAST-INDUSTRI A/S Vejle

ROBLON A/S Frederikshavn

EQUADOR

ECUATORIANA DE TEJIDOS DE PUNTA

Polyester	Punta (yarn)

ENKADOR S.A.

Polyester	Sangolqui, Pichincha (yarn)

FIBRATEX S.A.

Polyester	Guayaquil, Guayas (yarn)

EGYPT

ESTABLISSEMENTS INDUSTRIELS POUR LA SOIE ET LE COTON S.A.A. (E.S.C.O.)

Rayon	Cairo (reg yarn)

MISR AL-AMIRIYA INDUSTRIAL FIBRE CO.

Polyester	Amiriya (yarn* & staple)

SOCIETE MISR POUR LA RAYONNE S.A.A. (MISR RAYON CO.)

Nylon 6	Kafr-el-Dawar *Misrnylon* (yarn), *Misrnylon* (staple)
Polyester	Kafr-el-Dawar *Polymisr* (yarn)
Rayon	Kafr-el-Dawar (reg yarn & staple)

EL SALVADOR

OLEFIN FIBER

FILAMENTOS Y PERFILES, S.A. (FILPERSA) San Salvador *Duraplen* (E & P monofil)

SALVAPLASTIC, S.A. San Salvador (P monofil)

FINLAND

KEMIRA OY SÄTERI

Rayon	Valkeakoski (staple)

LAPPFIBER OY

Nylon 66	Tornio (yarn)

OLEFIN FILM FIBER, only

MANILLA OY Turku

PIIPPO OY Lempäälä

GLASS FIBER

A. AHLSTROM OY GLASSFIBRE Karhula *Kuitulasi* (roving & mat)

FRANCE

CELLATEX (a subsidiary of Rhône-Poulenc-Textile)

Rayon	Givet, Ardennes; Grenoble, Isère (reg yarn)

COURTAULDS S.A.

Acrylic	Pont du Leu, Coquelles, Pas-de-Calais *Courtelle* (staple)
Rayon	Pont du Leu (staple)

NYSAM S.A.

Nylon 6	St. Quentin, Aisne *Lilion* (yarn)

RHÔNE-POULENC-FIBRES (a subsidiary of Rhône-Poulenc-Textile)

Nylon 66	Albi, Tarn; St. Laurent-Blangy, Pas-de-Calais, St. Quentin, Aisne & Valance, Drôme *Nylfrance* (yarn & staple)
Polyester	Gauchy, Aisne & Valence *Bidim* (spunbonded), *Tergal* (yarn & staple)

RHOVYL (a subsidiary of Rhône-Poulenc-Textile)

Vinyon	Tronville-en-Barrois, Meuse *Clévyl*, *Rhovyl*, *Thermovyl* (yarn & staple)

SOCIETE CHOMARAT

Nylon 6	Mariac (yarn - captive)

OLEFIN FIBER

PLASTIQUE DE ROUBAIX Roubaix (P film & staple)

SODOCA FABRICATION DE NONTISSES SYNTHETIQUES S.A.R.L. Neuf Brisach, Haut-Rhin (P spunbonded)

OLEFIN FILM FIBER, only

ETS. AMMANN & CIE. Saint-Louis

ETS. BATAILLE Rosendael

BIHR FRERES S.A. Xertigny

BOUSSAC SAINT FRERES S.A. Flixecourt

SEINE & LYS Paris

GLASS FIBER

OWENS-CORNING FIBERGLAS FRANCE S.A. L'Ardoise, Gard *Fiberglas*

FRANCE (continued)

SAINT-GOBAIN INDUSTRIES, DIVISION VERRE TEXTILE
Chambéry, Savoie *Silionne, Stratifil, Stratimat, Verrane*

GERMAN DEMOCRATIC REPUBLIC
DEUTSCHE DEMOKRATISCHE REPUBLIK (EASTERN)

(Those facilities indicated by # are part of the trust VEB Chemiefaserkombinat Schwarza "Wilheim Pieck".)

CHEMIEFASERWERK "FRIEDRICH ENGELS" #

Acrylic	Premnitz, Krs. Rathenow *Wolpryla* (staple)
Nylon 6	Premnitz *Dederon* (staple)
Polyester	Premnitz *Grisuten* (staple)
Rayon	Premnitz (reg yarn)

CHEMIEFASERWERK "WILHELM-PIECK-STADT" GUBEN #

Nylon 6	Guben *Dederon* (yarn & monofil)
Polyester	Guben *Grisuten* (yarn)

KUNSTSEIDENWERK "CLARA ZETKIN, ELSTERBERG" #

Rayon	Elsterberg, Krs. Greiz (reg yarn)

SACHSISCHES KUNSTSEIDENWERK "SIEGFRIED RADEL" #

Polyester	Pirna* (yarn)
Rayon	Pirna (ind, reg & cupra yarn)

SACHSISCHE ZELLWOLLE #

Rayon	Plauen (staple)

SPINNSTOFFWERK "OTTO BUCHWITZ" #

Rayon	Glauchau (staple)

VEB CHEMIEFASERKOMBINAT SCHWARZA "WILHELM PIECK"

Nylon 6	Schwarza, Krs. Rudolstadt *Dederon* (yarn)
Rayon	Schwarza (staple)

VEB FILMFABRIK FOTOCHEMISCHES KOMBINAT

Acrylic	Wolfen, Krs. Bitterfeld *Wolpryla* (staple)
Rayon	Wolfen (ind yarn & staple)
Vinyon	Wolfen *Piviacid* (staple)

ZELLSTOFF-UND ZELLWOLLWERKE WITTENBERGE #

Rayon	Wittenberge (staple)

GLASS FIBER

VEB GLASSEIDENWERK *Oschatz Glasseidengewebe, Glasseiden-Roving, Glasseiden-Stapelbindermatten, Glasseiden-Twist, Glasseiden-Zwirn, Roving-Gewebe*

GERMANY, FEDERAL REPUBLIC OF
BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

BAYER A.G.

Acrylic	Dormagen *Bayer-Textilfaser Dralon* (yarn & staple)
Nylon 6	Dormagen *Perlon-Draht* (monofil)
Spandex	Dormagen *Bayer-Textilfaser Dorlastan* (fused multifil)

BOLTA WERKE G.m.b.H.

Saran	Nürnberg *Bolta* (monofil)

DEUTSCHE ICI G.m.b.H.

Nylon 66	Östringen *Timbrelle* (yarn & staple)
Polyester	Östringen *Terylene* (yarn)

GERMANY, FEDERAL REPUBLIC OF (continued)

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

DU PONT DE NEMOURS (DEUTSCHLAND) G.m.b.H.

Nylon 66	Uentrop, Kreis Unna (yarn & staple)
Polyester	Uentrop *Dacron* (staple, tow & fiberfill)

ENKA A.G.

Nylon 6 & 66	Obernburg *Enka Nylon* (yarn), *Enka Perlon* (yarn)
Polyester	Oberbruch & Obernburg *Diolen* (yarn)
Rayon	Kelsterbach, Oberbruch & Obernburg (ind & reg yarn)

E. HAHL KG •

Nylon 6	Munderkingen (staple)

FASERWERKE LINGEN G.m.b.H.

Acrylic	Lingen (staple)

HOECHST A.G.

Acrylic	Kelheim/Donau *Dolan* (staple)
Polyester	Bad Hersfeld, Hessen & Bobingen/Augsburg-land *Trevira* (yarn, staple & spunbonded), *Trevira-Draht* (monofil)
Rayon	Kelheim/Donau (staple)

KUNERT

Nylon 66	Deggendorf (yarn)
Polyester	Deggendorf (yarn)

LUTRAVIL SPINNVLIES •

Nylon 6	Kaiserslautern *Lutrabond* (spunbonded)
Polyester	Kaiserslautern *Lutradur* (spunbonded)

NORDDEUTSCHE FASERWERKE G.m.b.H.

Nylon 6 & 66	Neumünster *SIKS NYLON* (yarn), *SIKS PERLON* (yarn & staple)
Polyester	Neumünster *Avitron* (yarn)

PHOENIX GUMMIWERK A.G.

Saran	Hamburg/Harburg *Harlan* (monofil)

HEINRICH REINHOLD KG •

Nylon 6	Selbitz, Bayern (staple)

RHODIA A.G.

Acetate	Freiburg/Br. *RHIAKABEL* (tow)
Nylon 66	Freiburg/Br. & Rottweil a. N/Württ. *RHOA-fil Nyltest, RHOA-Spinnfaser, RHOA-tex HELANCA* (yarn & staple)
Polyester	Freiburg/Br. *RHOA-fil TERGAL, RHOA-tex TERGAL* (yarn)

SPINNSTOFFABRIK ZEHLENDORF A.G.

Polyester	Berlin-Zehlendorf *Trevira* (yarn & staple)

WACKER-CHEMIE G.m.b.H.

Vinal	München-Burghausen *Wacker MP-Faser* (staple)

OLEFIN FIBER

J. F. ADOLFF A.G. Backnang (P film)

AMOCO FABRICS & FIBERS CO., DIVISION OF AMOCO (DEUTSCHLAND) G.m.b.H. Gronau (P film & staple)

J. H. BENECKE G.m.b.H. Peine *Corovin* (P spunbonded)

R. B. J. RUDOLF BILLERMANN KG Emsdetten (P yarn & staple)

CHEMISCHE WERKE HÜLS A.G. Marl, Kreis Recklinghausen, Westphalia *Vestolan* (E & P monofil)

GERMANY, FEDERAL REPUBLIC OF (continued)

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

DYNAMIT NOBEL A.G. Troisdorf, Bez. Köln *Trofil* (E & P monofil & tow)

DEUFIL Bergkamen (P yarn)

FASERWERKE BOTTROP G.m.b.H. Bottrop (P staple)

FÜSSENER TEXTIL A.G. Füssen (P film)

GEO. GLEISTEIN & SOHN Bremen-Vegesack (P film & monofil)

E. HAHL KG Munderkingen (P monofil)

RUDOLF HILLER KG (P monofil)

LUTRAVIL SPINNVLIES Kaiserslautern *Lutrasil* (P spunbonded)

HEINRICH REINHOLD KG Selbitz/Bayern (P staple)

STEEN Hamburg (P staple)

WESTFALIA SPINNEREI U. KUNSTOFFWERK SCHEM KG Minden (P monofil & film)

OLEFIN FILM FIBER, only

BAUMHÜTER G.m.b.H. Wiedenbrück

BREMER WOLL-KÄMMEREI Bremen-Blumenthal

ERNST JAEGER Düsseldorf-Reisholz

HEINZ G. JUNEMANN (NORDHESSISCHE HAARWARENFABRIK) Felsberg

KUSGA KUNSTOFFGARNE G.m.b.H. Mainz

POLYDRESS PLASTIC G.m.b.H. Michelstadt

POLYUNION KUNSTOFFWERK Mesum

SCHILGEN Emsdetten

SPOHN G.m.b.H Freiburg

B. T. F. TECKLENBORG & CO. Bremen-Grohn

DR. KARL WETEKAM & CO. Melsungen

GLASS FIBER

GEVETEX-TEXTILGLAS G.m.b.H. Aachen & Dortmund-Mengede *Gevetex*

SCHULLER GLASWERK Westheim

GREECE

ETMA S.A.

Nylon 6/66	Athens (yarn)
Rayon	Athens (reg yarn)

HELLENIC SYNTHETICS INDUSTRY

Polyester	Kalogreza (yarn)

GREECE (continued)

POLYETMA LTD.

Polyester	Athens (yarn)

VOMVICRYL S.A. (affiliate of "Vomvix" S.A.)

Acrylic	Stylis, near Lamia (yarn, staple, tow & tops)

"VOMVIX" S.A.

Nylon 6/66	Athens (yarn)
Polyester	Athens (yarn)

OLEFIN FIBER

VIOFARM Argos (P staple)

OLEFIN FILM FIBER, only

ARIPLAST S.A. Athens

BIOSISAL Athens

DESSILA Piraeus

ELVISAK Athens

MARINE ROPE Athens

OLYMPIC ROPES Piraeus

SISAL ROPERY Salonika

C. VELLIS HEIRS S.A. Piraeus

VESY S.A. SYNTHETIC MATERIALS INDUSTRY Piraeus

GUATEMALA

HILOS SINTETICOS CENTROAMERICANOS, S.A.

Nylon 6	San José Pinula, Guatemala (yarn) (idle)

OLEFIN FIBER

CORDELERIA LA RAPIDA Guatemala, Guatemala (P monofil)

HONDURAS

OLEFIN FIBER

POLYMER (subsidiary of United Brands) San Pedro Sula (P film)

HUNGARY

MAGYAR VISCOSAGYÁR (Hungarian Viscose Factory)

Acrylic	Nyergesújfalu *Crumeron* (staple)
Nylon 6	Nyergesújfalu *Danamid* (yarn & staple)
Rayon	Nyergesújfalu (staple)

OLEFIN FIBER

KENDER JUTA TEXTILIPARI V. Budapest (P film)

KENDERFONÓ ÉS SZÖVÖIPARI V. SZEGED Szeged (P film)

MAGYAR VISCOSAGYÁR Nyergesújfalu *Popril* (P staple)

HUNGARY (continued)

SOPRONI SZŐNYEGGYÁR Sopron *Sopilen* (P yarn)

TISZA CHEMICAL COMBINE Lenin Varas (P staple)

INDIA

THE AHMEDABAD MFG. & CALICO PRINTING CO. LTD. CALICO POLYESTER FIBRE DIV.

Polyester	Baroda, Gujarat *Ilacron* (staple)

ANDHRA PRADESH RAYONS LTD.

Rayon	Kamalapuram, Warangal District, Andhra Pradresh* (staple)

THE BARODA RAYON CORPORATION LIMITED

Nylon 6	Udhna, Gujarat *Snialon* (yarn)
Polyester	Udhna *Sniater* (yarn)
Rayon	Udhna (reg yarn)

BONGAIGAON REFINERY AND PETROCHEMICALS LTD.

Polyester	Goalpara, Assam* (staple)

CENTURY ENKA LIMITED

Nylon 6	Bhosari, Pune, Maharashtra* *Enkalon* (yarn)
Polyester	Bhosari (yarn)

CENTURY RAYON (Prop.: The Century Spg. & Mfg. Co. Ltd.)

Rayon	Kalyan, near Bombay, Maharashtra (ind & reg yarn)

CHEMICALS & FIBRES OF INDIA LIMITED

Polyester	Thane, near Bombay, Maharashtra *Terene* (staple)

DOSHI SYNTHETICS

Polyester	Kandla, Gujarat* (yarn)

GARWARE NYLONS LIMITED

Nylon 6	Pimpri, Pune, Maharashtra* *Garware* (yarn & monofil)
Polyester	Pimpri (yarn)

THE GWALIOR RAYON SILK MFG. (WVG) CO. LIMITED

Rayon	Birlagram, Nagda, Madhya Pradesh & Birlakootoam, Mavoor, Kerala (staple)
Polyester	Rajgarh, Madhya, Pradesh (staple*)

INDIA POLYFIBRES

Polyester	Parakandauli, UP* (staple)

INDIAN ORGANIC CHEMICALS LIMITED

Polyester	Manali, Madras, Tamil Nadu *Futura* (staple)

INDIAN PETROCHEMICALS CORP. LTD.

Acrylic	Vadodara, Baroda, Gujarat *Cashmilon* (staple)

THE INDIAN RAYON CORPORATION LIMITED

Rayon	Veraval, Gujarat (reg yarn)

THE INDUSTRIAL PROMOTION & INVESTMENT CORPORATION OF ORISSA LTD.

Polyester	Orissa* (staple)

J.K. RAYON, J.K. PURI

Rayon	Kanpur, Uttar Pradesh (reg yarn)

J.K. SYNTHETICS LIMITED

Acrylic	Kota, Rajasthan *Jayacrylic* (staple)
Nylon 6	Kota *Jayanka, Jaycord, Jaykalon* (yarn, monofil & staple)
Polyester	Calcutta, Kota, Orissa* *Jakaylene* (yarn & staple)

INDIA (continued)

JAGITJIT COTTON TEXTILE MILLS LTD.
Nylon 6 Hoshiarpur, Punjab (yarn)

KANHAYA POLYSYNTHETICS
Polyester Gujarat, Kandla (staple)

KARNATAKA STATE INDUSTRIAL INVESTMENT AND DEVELOPMENT CORPORATION LIMITED
Polyester Karnataka* (staple)

KESORAM RAYON (Prop.: Kesoram Industries and Cotton Mills Ltd.)
Rayon Nayasarai, Hooghly, West Bengal (reg yarn)

M.P. STATE INDUSTRIAL DEVELOPMENT CORPORATION LTD.
Polyester Madhya Pradesh* (staple)

MADURA COTAS LTD.
Nylon 6 Maedak, Andhra Pradesh* (yarn)

MODIPON LIMITED
Nylon 6 Modinagar, Uttar Pradesh *Modipon* (yarn)
Polyester Modinagar (yarn)
Rayon (staple*)

THE NATIONAL RAYON CORPORATION LIMITED
Nylon 6 Mohone-Kalyan, near Bombay, Maharashtra* *N.R.C* (yarn)
Rayon Mohone-Kalyan (ind & reg yarn)

NIRLON SYNTHETIC FIBRES & CHEMICALS LIMITED
Nylon 6 Bombay, Maharashtra *Nircord, Nirlon* (yarn & monofil)
Polyester Bombay *Nirester* (yarn)

ORKAY SILK MILLS PVT. LTD.
Polyester Patalganga, Maharashtra* (yarn)

P.O. PETROCHEMICALS
Acrylic Vadodara, Gujarat* (staple)
Polyester Baroda, Gujarat* (staple)

PASUPATI ACRYLON LIMITED
Acrylic Moradabad, Uttar Pradesh* (staple)

PETROFILS COOPERATIVE LIMITED
Polyester Jawaharnagar, Baroda, Gujarat (yarn)

PRADESHIYA INDUSTRIAL INVESTMENT CORPORATION OF UTTAR PRADESH
Polyester Uttar Pradesh* (yarn & staple)

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORP. LTD.
Polyester Punjab (staple)

RELIANCE TEXTILE INDUSTRIES LTD.
Polyester Patalganga, Maharashtra* (yarn & staple*)

SHREE SYNTHETICS LIMITED
Nylon 6 Naulakhi, Ujain, Madhya Pradesh *Shreelon* (yarn)
Polyester Naulakhi *Shreester* (yarn)

SHRIRAM FIBRES LIMITED
Nylon 6 Manali, Madras, Tamil Nadu *Tufcord* (yarn)

SHRIRAM RAYONS
Rayon Kota, Rajasthan (ind yarn)

THE SIRSILK LIMITED
Acetate Sirpur-Kaghaznagar, Andhra Pradesh (yarn & staple)

INDIA (continued)

SOUTH INDIA VISCOSE LIMITED
Rayon Sirumughai, near Mettupalayam, Tamil Nadu (reg yarn & staple)

STRETCH FIBRES (INDIA) LIMITED
Nylon 6 Nagpur, Maharashtra *SF* (yarn)

SWADESHI POLYTEX LIMITED
Polyester Gaziabad, Uttar Pradesh *Jailene* (staple)

TAMIL NADU INDUSTRIAL DEVELOPMENT CORP.
Polyester Madras, Tamil Nadu* (staple)
Rayon Madras* (staple)

THE TRAVANCORE RAYONS LIMITED
Rayon Rayonpuram, Kerala (reg yarn)

TUNGABHADRA FIBRES LTD.
Rayon Tungabhadra, Andhra Pradesh (staple)

OLEFIN FIBER

ACME INVESTMENTS LTD. Panki Industrial Area, Kanpur* (P yarn)

ANIL KUMAR JAIN Ankleshwar, Gujarat* (P yarn)

GUPTA NEEDLE INDUSTRIES PVT. LTD. Dharuhera, Haryana* (P yarn)

INDO SYNTHETICS CORP. (P yarn*)

V.K. BHAGAT Bhiwand, Alwar, Rajasthan* (P yarn)

KALYANI ASBESTOS CEMENT PVT. LTD. Kalol, Gujarat* (P yarn)

NEOMER LIMITED Baroda, Panchmahal, Gujarat *Proplon* (P staple)

NIAGARA INTERNATIONAL (P yarn*)

POLYPROP INDUSTRIES Dharuhera, Haryana* (P yarn)

RAJENDRA V. PATEL Cambay, Gujarat* (P yarn)

SANJEEV SHRIYA Uttar Pradesh* (P yarn)

GLASS FIBER

FIBREGLASS PILKINGTON LIMITED Thane, near Bombay, Maharashtra

U.P. TWIGA FIBREGLASS Sikandarabad, Uttar Pradesh

INDONESIA

INDONESIA PENELITIAN SELULOSA (Cellulose Research Institute)

P.F. FIBRES e CHEMICALS
Nylon (yarn)

P.T. BERKAT INDAH AGUNG
Rayon Tangerang, West Java* (staple)

P.T. INDO-BHARAT RAYON
Rayon Desa Cilangkap, Purwakarta (staple)

P.T. INDONESIA ASAHI CHEMICAL
Nylon 6 Jatiluhur, Purwakarta, West Java (yarn)

INDONESIA (continued)

P.T. INDONESIA TORAY SYNTHETICS

Nylon 6	Tangerang, West Java (yarn)
Polyester	Tangerang (staple)

P.T. INDUSTRI SANDANG I

Polyester	Tangerang* (staple)

P.T. INDUSTRI SANDANG II

Rayon	South Sumatra* & West Kalimantan* (staple)

P.T. INTI

Rayon	West Kalimanton (staple*)

P.T. KUMA FIBER (P.T. Kuraray Manunggal Fibre Industries)

Polyester	Cikokol, Tangerang, West Java (staple)

P.T. POLYSINDO EKA PERKASA

Polyester	Kaliwungu, Kendal, C. Java (staple)

P.T. SHINTA-INDAH DJAYA

Nylon 6	Tangerang, West Java (yarn)
Polyester	Tangerang *Shinta* (yarn)

P.T. SOUTH PACIFIC VISCOSE

Rayon	Purwakarta, West Java (staple)

P.T. SUSILIA INDAH SYNTHETIC FIBRES INDUSTRIES

Polyester	Djakarta*, Tangerang, West Java (yarn & staple)

P.T. TEXMACO TAMAN SYNTHETIC

Polyester	Kaliwungu Kendal, West Java (yarn)

P.T. TIFICO (P.T. Teijin Indonesia Fibre Corp.)

Polyester	Tangerang, West Java (yarn & staple)

P.T. TOLARAM

Polyester	(yarn)

P.T. TRI REMPOA SOLO SYNTHETIC

Polyester	Rempon, Tangerang, West Java* (staple)

P.T. VASTEX BIMA INDUSTRIES

Polyester	Jalan Gedebage Ujungberung Bandung (yarn)

P.T. YASINTA

Polyester	Tangerang, West Java (yarn)

RAUMAQ ENTERPRISES

Nylon	(yarn)

IRAN

PARSYLON CORPORATION

Nylon 6	Khoram-Abad (yarn)

POLYACRYL IRAN CORPORATION

Acrylic	Isfahan (staple)
Polyester	Isfahan (yarn & staple)

SHERKAT SAHAMI ALIAF

Nylon 6	Tehran *Aliaf* (yarn)

OLEFIN FIBER

JAHANCITT SPINNING & WEAVING CO. Tehran (P film)

IRAQ

HINDIYA RAYON FACTORY

Rayon	Hindiya (reg yarn & staple)

IRELAND, REPUBLIC OF (EIRE)

ASAHI SYNTHETIC FIBRES (IRELAND) LTD.

Acrylic	Ballina, Mayon *Cashmilon* (staple)

LIRELLE (IRELAND) LTD. (A Division of Unifi, Inc.)

Polyester	Letterkenny *Lirelle* (yarn)

WELLMAN INTERNATIONAL LTD.

Nylon 6 & 66	Mullagh, Kells, Meath *Wellon* (staple)
Polyester	Mullagh *Filwell, Wellene* (staple)

OLEFIN FIBER

F. DRAKE (IRELAND) LTD. Moate, Westmeath (P staple)

J. & L.F. GOODBODY (SYNTHETICS) LTD. Clara, Offaly (P yarn & film)

OLEFIN FILM FIBER, only

IRISH POLYSACKS LTD. Blarney, Cork

IRISH ROPES LTD. Newbridge, Kildare

POLYTEX LTD.

ISRAEL

ISRAEL CHEMICAL FIBRES LIMITED

Acrylic	Ashdod (staple & tow)

NILIT

Nylon 66	Migdal Ha-Emek (yarn)

ITALY

ALBATESSILE S.p.A.

Polyester	Alba, Piemonte (yarn)

AQUAFIL S.p.A.

Nylon 6	Arco di Trento, Trentino *Aqualon* (yarn)
Polyester	Arco di Trento (yarn)

BEMBERG S.p.A.

Nylon 6	Gozzano, Piemonte *Ortalion* (yarn)
Rayon	Gozzano *Cupro* (yarn)

CARPOL S.p.A.

Nylon 6	Forli, Emilia Romagna (yarn)

ENICHEM FIBRE S.p.A. (formerly Anicfibre)

Acrylic	Ottana & Porto Torres, Sardegna *Euroacril, Sironil* (staple & tow)
Nylon 6	Pisticci, Lucania *Nivion* (yarn & staple)
Polyester	Ottana & Pisticci *Fidion* (staple & tow)
Polyesteramide	Pisticci (pilot plant), Seris (yarn & staple) (spunbonded non-woven fabric)

FILATURA DI VAL LESINA S.p.A.

Polyester	Andalo Valtellino, Lombardia *Valena* (yarn)

ITALY (continued)

FIMALON S.p.A.

Nylon 66	Castelnuovo Valsugana, Trentino Alto Adige (yarn)

FORTEX SIDAC S.p.A.

Nylon 6	Forlì, Emilia Romagna *Forlion* (yarn)

FRATELLI FRANCHI S.p.A.

Nylon 6	Canapale, Toscana *Frankilon* (yarn)
Polyester	Canapale *Frankilene* (yarn)

MONTEFIBRE GROUP:

INDUSTRIE TESSILI VERCELLI S.p.A.

Acetate	Vercelli, Piemonte (yarn)

SOCIETÀ ITALIANA POLIESTERE S.p.A.

Polyester	Acerra, Campania *Terital* (yarn, staple & tow)

SOCIETÀ ITALIANA PRODOTTI ACRILIC S.p.A.

Acrylic	Porto Marghera, Veneto *Leacril* (staple & tow)

NOVACETA S.p.A.

Acetate	Magenta, Lombardia (yarn)

NUOVA RAYON ITALIA S.p.A.

Rayon	Rieti, Lazio (reg yarn)

RADICI FIL S.p.A.

Nylon 6	Casnigo, Lombardia (yarn)

SETTE STELLE S.p.A.

Nylon 6	Castelgoffredo, Lombardia (yarn)

SNIA FIBRE S.p.A.

Acrylic	Cesano Maderno, Lombardia, Villacidro, Sardegna *Velicren, Velicren F.R.* (staple & tow)
Nylon 6 & 66	Castellaccio, Lazio; Cesano Maderno & Varedo, Lombardia; Villacidro; Napoli, Campania *Coro Lilion Souple, Lilion Styl* (yarn, staple & tow)
Polyester	Napoli *Wistel, Wistel F.R.* (yarn)

SOCIETÀ INDUSTRIALE CREMONESE S.p.A.

Rayon	Pizzighettone, Lombardia (ind yarn)

STERE

Polyester	Cardano al Campo, Lombardia (yarn)

TEXTILE PRODUKTE S.p.A.

Nylon 6	Villa D'Ogna, Lombardia (yarn & staple)

TORCITURA DI BORGOMANERO S.p.A.

Nylon 6	Milano, Lombardia *Borgolon* (yarn)

OLEFIN FIBER

EUROFIL Gandino, Lombardia (P staple)

FILATURA I DELEBIO S.p.A. Delebio, Lombardia *Delebion* (P yarn)

FILLI FRANA Casnigo, Lombardia (P staple & film)

I.T.S. Legnano, Lombardia (P yarn)

HIMONT ITALIA S.p.A. (formerly Merak S.p.A. and Neofil S.p.A.) Terni, Umbria *Merakion* (P yarn & staple)

NOVASAR Caronno Pertusella, Lombardia (P yarn & staple)

POLYMECON Zibido S. Giacomo, Lombardia (P staple & film)

ITALY (continued)

SERGEL Casnigo, Lombardia (P staple & film)

TEXTILE PRODUKTE Villa D'Ogna, Lombardia (P staple)

OLEFIN FILM FIBER, only

CARPET BACKING S.p.A. Ceriga

I.T.P.

LICANA NORD S.p.A. Cassano d'Adda (Milano)

DE MAGISTRIS EMILIO Bagnolo Cremasco

MILANPLAST s.r.l. Milano

MOPLEFAN S.p.A. Milano

NEOFIBRE s.r.l. Lendinara

SACHIM (MUMMOLO) Bari

S.E.A.L. S.p.A. Milano

S.I.S.A.L. S.p.A. Piacenza

STIROSIR S.p.A. Milano

TESSITURA LOMBARDA DI CONSONNI ELIA ALBIATE

TEXTILE GLASS FIBER

MONTEDISON Vado Ligure, Liguria

VETROTEX ITALIA S.p.A. Besana Brianza, Lombardia (yarn)

VITROFIL S.p.A.

JAPAN

ASAHI CHEMICAL INDUSTRY CO., LTD.

Acrylic	Fuji *Cashmilon, Pewlon* (yarn & staple)
Nylon 6/66	Nobeoka & Moriyama *Asahi Kasei Nylon, Leona* (yarn, monofil & spunbonded)
Polyester	Nobeoka & Moriyama *Asahi Kasei Ester* (yarn & spunbonded)
Rayon	Nobeoka (reg & cupra yarn, cupra staple & cupra spunbonded)
Saran	Suzuka (yarn, monofil & staple)
Spandex	Moriyama *Roica*

DAIWABO CO., LTD. •

Rayon	Masuda (staple)

DU PONT-TORAY COMPANY LTD.

Spandex	Shiga *Opelon* (fused multifil)

FUJI SPINNING CO., LTD.

Rayon	Toyo (staple)
Spandex	Kozakai *Fujibo Spandex*

JAPAN EXLAN CO., LTD.

Acrylic	Saidaiji *Exlan* (staple)

JAPAN (continued)

KANEBO RAYON, LTD.

Rayon	Hofu (staple)

KANEBO SYNTHETIC FIBERS, LTD.

Acrylic	Hofu *Kanebo Acryl* (staple)
Nylon 6	Hofu *Kanebo Nylon* (yarn)
Polyester	Hofu & Sabae *Kanebo Polyester* (yarn)
Spandex	Hofu *Kanebo Loobell*

KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD.

Modacrylic	Takasago *Kanecaron, Kanekalon* (staple & tow)

KOHJIN CO., LTD.

Polychlal	Yatsushiro *Cordelan* (staple)
Rayon	Yatsushiro (staple)

KURARAY CO., LTD.

Polyester	Saijo & Tamashima *Kuraray Polyester* (yarn & staple)
Rayon	Kurashiki, Saijo & Tamashima *Three Golden Horses* (reg yarn)
Vinal	Okayama *Kuralon* (yarn & staple)

KUREHA CHEMICAL INDUSTRY CO., LTD.

Saran	Kaibara & Mibu *Krehalon* (yarn, monofil & staple)
Vinyon	Mibu *Viclon* (monofil)

MITSUBISHI ACETATE CO., LTD.

Acetate	Toyama (yarn & tow)
Triacetate	Toyama (yarn)

MITSUBISHI RAYON CO., LTD. •

Acrylic	Otake *Finel, Silpalon, Vonnel* (yarn & staple)
Polyester	Toyohashi *Soluna* (yarn), Lunaace (staple)

NIPPON ESTER CO., LTD. (subsidiary of Unitika, Kanebo and Mitsubishi Chemical Industry)

Polyester	Okazaki & Sabae *Kanebo Ester, Unitika Ester* (yarn & staple)

NISSHINBO INDUSTRIES, INC.

Rayon	Tokushima (staple)
Spandex	Tokushima *Mobilon*

NITIVY CO., LTD.

Vinal	Fujieda *Niti-Vilon, Solvron, Vilon* (yarn)

NITTO BOSEKI CO., LTD. • (See Ube-Nitto Kasei)

Rayon	Fukuyama (staple)

OMIKENSHI CO., LTD.

Rayon	Kakogawa (staple)

TEIJIN LTD.

Aramid	Iwakuni *Teijinconex* (staple)
Nylon 6	Mihara *Teijin Nylon* (yarn)
Polyester	Ehime, Iwakuni, Matsuyama & Tokuyama *Teijin-Tetoron* (yarn & staple)
Vinyon	Iwakuni *Teviron* (yarn)

TEIJIN ACETATE LTD. (subsidiary of Teijin Ltd.)

Acetate	Matsuyama (yarn)

TOHO RAYON CO., LTD.

Acrylic	Mishima *Beslon* (staple & tow)
Rayon	Tokushima *Tovis* (staple)

TORAY INDUSTRIES, INC.

Acrylic	Ehime *Toraylon* (staple)
Nylon 6	Aichi, Ishikawa*, Nagoya, Okazaki & Shiga *Amilan, Toray Nylon* (yarn & staple)
Nylon 6/66 copolymer	Aichi *Tapilon* (yarn)
Nylon 66	Aichi, Ishikawa, Okazaki *Promilan* (yarn)
Polyester	Ehime, Ishikawa, Mishima & Okazaki *Toray Tetoron* (yarn & staple)

JAPAN (continued)

TORAY-MONOFILAMENT CO., LTD.

Nylon 6	Okazaki *Toray Nylon* (monofil)

TOYO CHEMICAL CO., LTD.

Vinyon	Ofuna *Envilon* (yarn & monofil)

TOYOBO CO., LTD. •

Nylon 6	Tsuruga *Toyobo Nylon* (yarn)
Polyester	Iwakuni & Tsuruga *Toyobo Ester* (yarn & staple)
Promix	Tsuruga *Chinon* (yarn)
Rayon	Iwakuni *Tufcel* (staple)
Spandex	Tsuruga *Espa*

TOYOBO PETCORD CO., LTD.

Polyester	Tsuruga *Toyobo Petcord* (yarn)

UNITIKA LTD.

Nylon 6	Uji *Unitika* (yarn, monofil & staple)
Polyester	Okazaki *Marix* (ind yarn & spunbonded)

UNITIKA KASEI CO., LTD.

Vinal	Sakoshi (Akoh City) *Mewlon* (yarn, monofil & staple)

UNITIKA RAYON CO., LTD.

Rayon	Okazaki & Uji (ind & reg yarn)

YOSHIDA KOGYO K.K.

Polyester	Kurobe (yarn)

OLEFIN FIBER

ASAHI CHEMICAL INDUSTRY CO., LTD. Moriyama (P spunbonded)

CHISSO POLYPRO FIBER CO., LTD. Moriyama *Chisso Polypro, ES Fiber* (P yarn & staple)

DAIWABO CO., LTD. Harima *Daiwabo Polypro, NBF Fiber* (E & P staple)

HAGIHARA INDUSTRY CO., LTD. Kurashiki (E monofil & film)

HIRATA SPINNING CO., LTD. Yokkaichi *Hiralon* (E & P yarn & monofil)

INABA SEIKO, LTD. Gamagori (E monofil)

KANEYA SEIKO, LTD. Hokkaido & Kushiro (P monofil)

KUREHA CHEMICAL INDUSTRY CO., LTD. Mibu *Kureha Polypropylene* (P monofil)

MARUAI CO., LTD. Toyohashi (E monofil)

MITSUBISHI RAYON CO., LTD. Toyohashi *Mitsubishi Pylen* (P yarn & monofil)

MITSUI TOATSU CHEMICALS, INC. Iwakuni (Pilot Plant) & Nagoya *Hi-Zex* (E monofil)

NAGANO KAKO CO., LTD. Nagano (E monofil)

SHOWA POLYMER CO., LTD. Ibaraki (E monofil & film)

TAI-RAY CO., LTD. Mito *Danzex, Danzex Lite, Liplon* (E monofil, P yarn & monofil)

TANIYAMA CHEMICAL INDUSTRY CO., LTD. Okayama *Tanikalon* (E monofil)

TOA WOOL SPINNING & WEAVING CO., LTD. Tomari *Toabo Polypro* (P staple)

JAPAN (continued)

TONEN SEKIYUKAGAKU K.K. (TONEN PETROCHEMICAL CO., LTD.) Kawasaki *Tapyrus* (P spunbonded)

TOYOBO CO., LTD. Iwakuni (P staple)

UBE-NITTO KASEI CO., LTD. Fukuyama & Gifu *Sun Line, Ube-Nitto Polypro* (E monofil & P yarn, monofil & staple)

OLEFIN FIBER, only

DAIDO KASEI Osaka

FUJIMOTO SANGYO Osaka

OKAMOTO CHEMICAL Ehime

SAKAI KASEI Osaka

SANSO PLASTICS INDUSTRY CO., LTD. Yokkaichi

SANTO CHEMICAL Aichi

SEKISUI CHEMICAL Amagasaki & Nara

TOYAMA Chiba

TOYO SODA Yokkaichi

WAKO SPINNING CO. Gifu

YAMAJIN TEXTILE Fukui

GLASS FIBER

ASAHI FIBER GLASS CO., LTD. Ibaraki & Shonan *Glasslon*

ASAHI-SCHWEBEL CO., LTD. Moriyama

CENTRAL GLASSFIBER CO., LTD. Matsusaka

FUJI FIBER GLASS CO. Moka

KANEBO, LTD. Gunma *Textoglass*

NIPPON GLASS FIBER CO., LTD. Ibaraki & Tsu *Micro Glass*

THE NIPPON MINERAL FIBER MFG. CO. Tarui & Yuki *Superfine*

NITTO BOSEKI CO., LTD. Fukushima *Iceberg*

PARAMOUNT GLASS MFG. CO., LTD. Koriyama & Suzuka *Fether Glass*

UNITIKA U.M. GLASS CO., LTD. Kyoto *Unitika U.M.*

KENYA

AFRICA SYNTHETIC FIBER LTD.
Nylon 6 Thika (yarn)
Polyester Thika (staple)

JAYDEES KNITTING LTD.
Polyester Nairobi (yarn)

KENYA FIBRE CORPORATION LTD.
Polyester Nanyuki (yarn & staple)

KENYA (continued)

SUN FLAG LTD.
Polyester (yarn)

OLEFIN FIBER

UNISACK LTD. Thika (P film)

KOREA PEOPLE'S DEMOCRATIC REPUBLIC OF (NORTH)

A number of man-made fiber plants are said to be operating in North Korea (see June 1970 *Organon* issue, page 113); however, no data for this country are recorded in any table of this issue due to lack of reliable information.

KOREA REPUBLIC OF (SOUTH)

CHEIL SYNTHETIC TEXTILES COMPANY
Polyester Kumi *Eslon* (yarn & staple)

DAEHAN SYNTHETIC FIBER COMPANY
Polyester Ulsan *Acelan* (yarn & staple)

GORYEO NYLON CORPORATION LTD.
Nylon 6 Kyungsan Kun *Kolon* (yarn)

HANIL SYNTHETIC FIBER INDUSTRIAL COMPANY
Acrylic Masan *Hanilon* (staple)

JEIL SYNTHETIC FIBERS COMPANY•
Polyester Seoul *Oplen* (yarn)

KOHAP, LTD. •
Nylon 6 Shihung *Palmylon* (yarn & staple)
Polyester Shihung *Palmylon* (yarn & staple)

KOLON INDUSTRIES INC.
Nylon 6 Kumi, Taegu *Kolon* (yarn)
Polyester Kumi *Kolon* (yarn)

SAMYANG COMPANY, LTD.
Polyester Chunju *Triron* (yarn & staple)

SUNKYONG FIBRES LTD.
Acetate Suwon *Sunkyung* (yarn & tow)
Polyester Suwon & Ulsan *Sunkyong* (yarn & staple)

TAEKWANG INDUSTRIAL COMPANY
Acrylic Ulsan *Acelan* (staple)
Spandex Ulsan *Acelan* (yarn)

TONGKOOK FIBRES LTD.
Polyester Kumi• (yarn)

TONGYANG NYLON COMPANY
Nylon 6 Anyang & Ulsan *Toplon* (yarn)
Polyester Ulsan *Toplon* (yarn)

TONGYANG POLYESTER COMPANY
Polyester Ulsan *Toplon* (yarn)

WONJIN RAYON COMPANY, LTD.
Rayon Donong *Coray* (reg yarn & staple)

KOREA
REPUBLIC OF (SOUTH) (continued)

OLEFIN FIBER

JEIL SYNTHETIC FIBERS COMPANY Seoul *Oplene* (P yarn & staple)

KOHAP, LTD. Shihung *Happylon, Pylon* (P staple)

KUMSUNG SYNTHETIC FIBER CO., LTD. Seoul *Hopelon, Polon* (P staple) (idle)

LIBYA

LIBYA NATIONAL OIL CORPORATION (LINOCO)

Nylon 6	Marsa Al-Brega* (yarn)
Polyester	Marsa Al-Brega* (staple)

LUXEMBOURG

TECHNOFIBRES

Polyester	Mertert (yarn)

Production and capacity data are combined with Belgium and the Netherlands under "Benelux" on page 104-105.

OLEFIN FIBER

DU PONT FIBRES S.A. Contern-Hesperange *Typar* (P spunbonded)

MALAYSIA

ACRYLIC TEXTILE OF MALAYSIA SDN. BHD.

Acrylic	Kedah (yarn)

KANEBO MALAYSIAN SPINNING MILLS SDN. BHD.

Acrylic	Prai (yarn)

PENFIBRE SDN. BHD.

Polyester	Penang (staple)

MALTA

NYLON KNITTING CO. LTD.

Nylon 6	Qormi (yarn)

Production and capacity data are combined with Italy.

MEXICO

CELANESE MEXICANA, S.A.

Acetate	Ocotlán, Jalisco (yarn & staple)
Acrylic	Zacapu, Michoacán (staple, tow & tops)
Nylon 6	Ocotlán & Toluca, México *Duracel, Nycel* (yarn & staple)
Polyester	Ocotlán; Querétaro, Querétaro & Toluca *Crolan* (yarn & staple)

CELULOSA Y DERIVADOS, S.A.

Acrylic	Atequiza, Jalisco *Crysel* (staple, tow & tops)
Rayon	Monterrey, Nuevo León (ind & reg yarn)

FIBRAS QUIMICAS, S.A.

Nylon 6	Monterrey, Nuevo León *Supernylon Cydsa* (yarn & monofil)
Polyester	Monterrey *Terlenka* (yarn)

MEXICO (continued)

FIBRAS SINTETICAS, S.A.

Acrylic	Cotaxtla, Veracruz *Fisisa* (staple, tow & tops)
Nylon 6	Cotaxtla *Fisisa* (yarn & monofil)
Polyester	Cotaxtla & México *Fisisa* (yarn & staple)

FIBRASOMNI, S.A.*

Nylon 6	Ixtapalapa, D.F. *Omni-Nylon* (monofil)
Saran	Ixtapalapa *Omni-Saran* (monofil)

FINACRIL, S.A.

Acrylic	Altamira (staple, tow & tops)

INDUSTRIAS PETROQUIMICAS MEXICANAS, S.A.

Polyester	El Salto, Jalisco *Inpetmex* (yarn)

KIMEX S.A.

Nylon 6	Tlalnepantla, México *Aztecron* (yarn)
Polyester	Tlalnepantla *Kintrel* (yarn)

NYLON DE MEXICO, S.A.

Nylon 6	La Leona, Nuevo León *Nylfil* (yarn & staple)
Polyester	La Leona *Dacron* (yarn, staple, tow & fiberfill)
Spandex	La Leona *Likra* (fused multifil)

OLEFIN FIBER

FIBRASOMNI, S.A. Ixtapalapa, D.F. *Politen-Omni* (E monofil), *Polyprop-Omni* (P yarn & monofil)

INDUSTRIAS POLIFIL, S.A. Ixtacuixtla, Tlaxcala *Pliana* (P yarn & staple)

PLASTICOS INDUSTRIALIZADOS, S.A. Monterrey, Nuevo León (P staple)

OLEFIN FILM FIBER, only

HILOS Y CORDELES, S.A. Tlalnepantla, México

PLASTICEL, S.A. Monterrey, Nuevo León (*Plasticel*)

POLISAC, S.A. (affiliate of Nylon de México, S.A.), Guadalajara, Jalisco (*Polisac*)

GLASS FIBER

VITRO-FIBRAS, S.A. Zacatenco, D.F. *Vitro-Fibras*

NETHERLANDS

DU PONT DE NEMOURS (NEDERLAND) N.V.

Spandex	Dordrecht *Lycra* (fused multifil)

ENKA B.V.

Aramid	Arnhem, Emmen *Arenka* (yarn)
Polyester	Emmen *Diolen, Terlenka* (yarn & staple)
Rayon	Arnhem (ind yarn) & Ede (reg yarn)

OLEFIN FIBER

LANKHORST TOUWFABRIEKEN B.V. Sneek *Tiptolene* (E monofil & P film)

T.T.C. POLYOLEFINS B.V. Nijverdal (P monofil, film & staple)

N.V. VERTO Rotterdam (P film)

NETHERLANDS (continued)

GLASS FIBER

SILENKA B.V. Hoogezand (Groningen) *Silenka*

Cellulosic production and capacity data are combined with Belgium on page 108-109. Noncellulosic production and producing capacity data are combined with Belgium and Luxembourg under "Benelux" on page 104-105.

NICARAGUA

OLEFIN FIBER

MANUFACTURERA CENTRO AMERICANA S.A. (MACEN)
Managua (P film)

NIGERIA

NICHEMTEX INDUSTRIES LTD.

Polyester	Ikorodu, Lagos *Nigerlene* (yarn & staple)

NORWAY

OLEFIN FIBER

A/S PLATON, AVD. TEKSTIL Notodden *Filmtex* (E & P film)

NORFIL-NORPACK A/S Stavern, near Larvik *Akvaflex* (P yarn, E & P monofil & film)

STAL OG TAU Tonsberg *Norseflex* (P film)

GLASS FIBER

NORSK GLASSFIBER A/S Birkeland

PAKISTAN

BENGAL FIBER INDUSTRIES, c/o BENGAL OIL MILLS LIMITED

Nylon 6	Karachi *Nylpak* (yarn)
Polyester	Karachi (yarn & staple)

DILON LIMITED

Nylon 6	Landhi *Dilon* (yarn)
Polyester	(yarn*)

GATRON INDUSTRIES LIMITED

Polyester	Hub Chowki (yarn)

HASHWANI GROUP

Polyester	Sind Province (yarn)

ICI PAKISTAN MANUFACTURERS LTD.

Polyester	Lahore *Tere-Pak* (staple)

NATIONAL FIBERS LIMITED

Polyester	Korangi, Karachi (yarn & staple)

NILOM NYLON MILLS LIMITED

Nylon 6	Lyallpur *Nilom* (yarn & monofil)

PAK FIBRE INDUSTRIES LIMITED

Polyester	Hub Chowki (yarn)

POLYTEX

Polyester	(yarn)

PAKISTAN (continued)

RAVI RAYON LIMITED

Acetate	Kala Shah Kaku, Sheikhupura District *Krasil* (yarn)

RUPALI POLYESTER LIMITED

Polyester	Karachi* (yarn & staple)

S.G. RAYON MILLS LIMITED

Polyester	Karachi (yarn)

SYNTHETIC POLYLON

Polyester	Katri (yarn), Hub Chowki (staple)

PERU

BAYER INDUSTRIAL S.A.

Acrylic	Lima *Dralon* (staple)

FILAMENTOS INDUSTRIALES, S.A.

Nylon 6	Lima* (yarn)
Polyester	Lima (yarn)

MANUFACTURA NYLON S.A.

Nylon 6	Vitarte, near Lima (yarn)
Polyester	Vitarte *Diolen* (staple)

MANUFACTURAS DEL SUR S.A.

Nylon 6	Arequipa *Long Life, Mistlon* (yarn)
Polyester	Arequipa (yarn & staple)

RAYON Y CELANESE PERUANA S.A.

Acetate	Lima (yarn)
Nylon	Lima (staple)
Polyester	Lima *Forcel* (yarn, staple, tow & tops)

RETEX PERUANA, S.A.

Nylon 6	Ventanilla, Callao (yarn)

OLEFIN FILM FIBER,only

NORSAC S.A. Trujillo

POLICEL DEL PERU S.A. Lima

SACOS DEL SUR S.A. Arequipa

SACOS PISCO S.A. Pisco

PHILIPPINES, REPUBLIC OF THE

AMERICAN PHILIPPINE FIBER INDUSTRIES, INC.

Nylon 6	San Pedro, Laguna *Apfi Nylon* (yarn)
Polyester	San Pedro *Apfi Polyester* (yarn)

FILIPINAS SYNTHETIC FIBER CORPORATION

Polyester	Sta. Rosa, Laguna *Filsyn* (yarn & staple)

LAKEVIEW INDUSTRIAL CORPORATION

Polyester	Carmona, Rizal *Licron* (yarn & staple)

PHILIPPINE POLYAMIDE INDUSTRIAL CORPORATION (PPIC)

Nylon 6	Calamba, Laguna *Philippine Polyamide* (yarn)

TEXFIBER CORPORATION

Nylon 6	Taytay, Rizal *Texfiber* (yarn)

PHILIPPINES, REPUBLIC OF THE (continued)

OLEFIN FIBER

INDUSTRIAL TEXTILE MANUFACTURING CO. (ITEMCOP)
Mandaluyong, Rizal (P film)

MANILA CORDAGE COMPANY Manila (P film)

POLAND

CHODAKOWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"

Rayon	Sochaczew (reg yarn)

WROCŁAWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"

Rayon	Wrocław (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-ANILANA"

Acrylic	Łódz *Anilana* (staple)
Azlon	Łódz *Wipolan* (staple, casein base)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-CELWISKOZA"

Polyester	Jelenia Góra *Elana* (staple)
Rayon	Jelenia Góra (staple)
Spandex	Jelenia Góra (pilot plant) *Elaston* (yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "ELANA"

Polyester	Torun, Bydgoszcz *Torlen* (yarn), *Elana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "STILON"

Nylon 6	Gorzów Wielkopolski *Lanastil, Stilon* (yarn), *Polana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX- WISKORD"•

Rayon	Szczecin-Zydowce (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISTOM"

Rayon	Tomaszów Mazowiecki, Łódz (ind & reg yarn & staple)

OLEFIN FIBER

ZAKŁADY PRZEMYSŁU LNIARSKIEGO LENKO Bielsko-Biala (P film)

ZAKŁADY PRZEMYSŁU LNIARSKIEGO SKARBKOW Mirsk, Wrocław (P staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD"
Szczecin-Zydowce (P staple)

GLASS FIBER

KROSNIENSKIE HUTY SZKLA Krosno

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-ANILANA"
Łódz *Polsilon*

PORTUGAL

COMPANHIA INDUSTRIAL DE FIBRAS ARTIFICIAIS (CIFA), S.A.R.L.

Nylon 6	Sobrado, Valongo *Cifalon* (yarn)
Rayon	Sobrado (reg yarn & staple)

FIBRAS SINTÉTICAS DE PORTUGAL, S.A.R.L. (FISIPE)

Acrylic	Lisbon *Vonnel* (staple, tow & tops)

PORTUGAL (continued)

FINICISA - FIBRAS SINTÉTICAS, S.A.R.L.

Polyester	Portalegre, Alto Alentejo *Terylene* (staple)

TÊXTIL ARTIFICIAL DO PORTO, LDA.

Rayon	Porto (reg yarn)

OLEFIN FIBER

ALICATIFAS DA LOUSA (P staple)

FERCOL (P staple)

LUSOTUFO (P staple)

QUIMIGAL - QUIMICA DE PORTUGAL, E.P. Barreiro (P staple & film)

OLEFIN FILM FIBER, only

CERFIL Maia - Douro

CORDEX - COMPANHIA INDUSTRIAL TEXTIL, S.A.R.L. Esmoriz

COTESI - COMPANHIA DE TEXTEIS SINTÉTICOS S.A.R.L.
Carvalhos

EUROFIL - INDUSTRIAS DE PETROLEOS PLASTICOS E FILAMENTOS, S.A.R.L. Lisbon

FÁBRIGA DE TAPETES VITÓRIA Mira d'Aire

FERNANDES & COSTA, LDA. Seia

MANUEL RODRIGUES DE LIMA & FILHOS Cortegaca

MANUEL RODRIGUES D'OLIVEIRA, S.A. LDA. M. Maia

QUINTAS & QUINTAS Povoa de Varzim

SICOR - SOCIEDADE INDUSTRIAL DE CORDOARIA S.A.R.L.
Cortegaca

GLASS FIBER

QUIMIGAL - QUIMICA DE PORTUGAL, E.P. • Barreiro

ROMANIA

COMBINATUL DE FIBRE ARTIFICIALE

Rayon	Braila, Dej* & Suceava* (ind yarn & staple)
Polyester	Vaslui (yarn)

FABRICA DE FIBRE ARTIFICIALE "VISCOFIL"

Rayon	Popesti-Leordeni, near Bucuresti (reg yarn)

FABRICA DE FIBRE ARTIFICIALE "VISCOZA"

Rayon	Lupeni (reg yarn)

UZINA DE FIBRE SINTETICE IASI

Polyester	Iasi *Teron* (yarn, staple, tow & tops)

UZINA DE FIBRE SINTETICE SAVINESTI

Acrylic	Savinesti, near Piatra Neamt (Bacau Region) *Melana* (staple & tops)
Nylon 6	Savinesti *Relon* (yarn & staple)

SOUTH AFRICA, REPUBLIC OF

CONSOLIDATED TEXTILE MILLS (part of Frame Group of Companies)

Polyester	Jacobs, Natal (yarn & staple - captive)

HOECHST SOUTH AFRICA (PTY.) LTD.

Polyester	Milnerton, Cape Province *Trevira* (staple)

SOUTH AFRICAN NYLON SPINNERS (PTY.) LIMITED

Nylon 66	Bellville, Cape Province *Bri-Nylon* (yarn)
Polyester	Bellville & Hammarsdale, Natal *Terylene* (yarn)

OLEFIN FIBER

ROMATEX MILLS Jacobs, Natal (P film)

SPAIN

BRILEN S.A.

Polyester	Barbastro, Huesca & Igualada, Barcelona (yarn & staple)

COURTAULDS FIBRES S.A.

Acrylic	Prat de Llobregat, Barcelona *Crilenka* (staple & tow)

DE FIBER S.A.

Nylon 66	Vendrell, Tarragona

INDUSTRIAS DEL ACETATO DE CELULOSA, S.A. (INACSA)

Acetate	La Batllona, Barcelona (yarn)

INDUSTRIAS QUIMICAS TEXTILES S.A. (INQUITEX)

Nylon 6	Andoain, Guipuzcoa *Carbyl, Nylhair, Trinyl* (yarn & staple)

LA SEDA DE BARCELONA, S.A.

Nylon 6	Alcalá de Henares, Madrid *Dayan, Enkalon* (yarn & staple)
Polyester	Prat de Llobregat, Barcelona *Terlenka* (yarn & staple)
Rayon	Prat de Llobregat (ind & reg yarn)

MONTEFIBRE HISPAÑIA S.A.

Acrylic	Miranda de Ebro, Burgos *Leacril* (staple)

NUREL S.A.

Nylon 6	Záragoza, Záragoza *Nurel* (yarn)
Polyester	Záragoza *Terylene* (yarn & staple)

SOCIEDAD ANONIMA DE FIBRAS ARTIFICIALES (SAFA)

Nylon 66	Blanes & San Julian de Ramis, Gerona *SAFA* (yarn & staple)
Polyester	Blanes *Tergal, Teriber* (yarn & staple)

SOCIEDAD NACIONAL DE INDUSTRIAS APLICACIONES CELULOSA ESPAÑOLA, S.A. (SNIACE)

Nylon 6	Torrelavega, Santander *Lilion* (yarn & staple)
Rayon	Torrelavega (staple)

OLEFIN FIBER

PAULAR, S.A. - EMPRESA PARA LA INDUSTRIA QUIMICA Puertollano, C.R. *Istrakin* (P monofil & film)

PROFILEX (P staple)

PROPILAN (P staple)

SERINA TEXTIL (P staple)

SOCIEDAD ANONIMA ITALO ESPAÑOLA (SAITES) Sabadell, Barcelona (P staple & film)

SPAIN (continued)

TEXTILE ARMENGOL Bruch, Barcelona (P staple & film)

OLEFIN FILM FIBER, only

CONDEROLS S.A. Granada

CORDELERIAS BARAS S.A. Gijon, Asturias

CORDELERIAS MAR S.A. Vigo, Pontevedra

HILATURAS Y CORDELERIA S.A. - "HILCOSA" Barcelona

HIRESA Callosa de Segura, Alicante

YUTE INDUSTRIAL S.A. Valéncia

GLASS FIBER

FIBRAS MINERALES, S.A. Alcalá de Henares, Madrid *Vitrotex*

SRI LANKA

CEYLON PETROCHEMICAL CORPORATION

Nylon 6	Sapugaskan (yarn & monofil)

SWEDEN

SONESSON PLAST AB •

Nylon 6/66	Malmö (monofil)

SVENSKA RAYON AKTIEBOLAGET

Rayon	Alvenäs, Valberg (reg yarn & staple)

OLEFIN FIBER

SONESSON PLAST AB Malmö *Laveten* (E & P monofil)

GLASS FIBER

SCANDINAVIAN GLASFIBER AKTIEBOLAG Falkenberg

SWITZERLAND

EMS INDUSTRIES, LTD.

Nylon 6	Ems, Graubünden *Grilon* (staple)
Polyester	Domat/Ems *Grilene* (staple)

NOYFIL S.A.

Nylon 6	Stabio (yarn)
Polyester	Stabio (yarn)

VISCOSUISSE A.G.

Nylon 6/66	Emmenbruecke, Luzern & Widnau, St. Gallen *Nylsuisse, Flixor* (yarn & staple)
Polyester	Widnau *Tersuisse* (yarn)

OLEFIN FILM FIBER, only

AROVA SCHAFFHAUSEN A.G. Schaffhausen

VOGT & CO. Reinach

TAIWAN

CENTURY EVERGREEN CORP.	Polyester	Tainan *Centuron* (yarn)
CHENTA CHEMICAL INDUSTRIAL CORPORATION	Nylon 6	Kaohsiung *Rabbit* (yarn)
CHI YURN FIBER MILLS	Nylon	Tao Yuan (staple)
CHINA MAN-MADE FIBER CORPORATION	Rayon	Tou Fen *Queen* (reg yarn & staple)
CHUNG SHING TEXTILE CO., LTD.	Nylon 6	Tao Yuan *Tasinlon, Threegun* (yarn)
	Polyester	Tao Yuan *Tasinlon* (yarn & staple)
FAR EASTERN LTD.	Polyester	Hsin Chu *Eastlene, Eastlon* (yarn & staple)
FORMOSA CHEMICALS & FIBER CORPORATION (part of Formosa Plastics Group)	Nylon 6	Chang Hwa *Sunylon* (yarn)
	Rayon	Chang Hwa *Tarsiyon* (reg yarn & staple)
FORMOSA PLASTIC CORPORATION - Tairylan Plant (part of Formosa Plastics Group)	Acrylic	Kaohsiung & Lanchu *Tairylan* (staple, tow & tops)
HSIEH CHIN FISHING NET COMPANY, LTD. •	Nylon 6	Kaohsiung *Hsieh Chin* (monofil - captive)
HUALON - TEIJIN CORPORATION	Nylon 6	Chungho, Tao Yuan & Tou Fen (yarn)
	Polyester	Chungho, Tou Fen & Yim Kao *Hualon* (yarn & staple)
HUNG CHOU CHEMICAL INDUSTRY COMPANY, LTD.	Polyester	Kwei Shan *Hunvira* (yarn)
JANG DAH NYLON INDUSTRIAL CORP., LTD.	Nylon 6	Hsin Tien *Yuan Pao* (yarn)
LIEN YU INDUSTRIAL COMPANY, LTD.	Nylon 6	Lin Tu *Pagoda* (yarn)
	Polyester	Lin Tu *Pagoda* (yarn)
NAN-YA PLASTIC CO., POLYESTER FIBER DIVISION (part of Formosa Plastics Group)	Polyester	Tai Shan *Tairilin* (yarn & staple)
PACIFIC ENTERPRISES LTD.	Nylon 6	Tao Yuan *P.E.L.* (yarn)
	Polyester	Tao Yuan (yarn)
SAN YUAN HSING ENTERPRISE COMPANY	Nylon 6	Kaosiung (monofil - captive)
SHINKONG SYNTHETIC FIBERS CORPORATION	Polyester	Tao Yuan *Shinlon* (yarn & staple)
SYNTHETIC FIBER MILLS CORPORATION	Nylon 6	Tao Yuan *Synlon* (yarn)
TA MING FIBERS INDUSTRIAL CORPORATION	Nylon 6	Tao Yuan *Ta Ming Nylon* (yarn)
	Polyester	Tao Yuan *Poylon* (yarn)
TAINAN SPINNING CO., LTD.	Polyester	Tainan *Nanlon* (yarn)
TONG HWA SYNTHETIC FIBER CO., LTD.	Acrylic	Chu Pei *Townflower* (staple & tow)

TAIWAN (continued)

TUNG HO SPINNING WEAVING & DYEING CO., LTD.	Polyester	Tainan *Pearlylene* (staple)
TUNTEX DISTINCT CORP.	Polyester	Hsin Su *Tuntex* (yarn)
UNITED SYNTHETIC FIBERS CORPORATION	Polyester	Tao Yuan *King Long* (staple)
VANLON FIBERS INDUSTRIAL CORPORATION	Nylon 6	Tao Yuan *Vanlon* (yarn)
	Polyester	Tao Yuan *Vanlon* (yarn)
YU HO FIBER INDUSTRIAL CORPORATION	Polyester	Tao Yuan *Luxlen* (yarn)
YUNG CHIN FIBER CO., LTD.	Nylon 6	Kaohsiung *Hailon* (yarn)

OLEFIN FIBER

CHIA YANG INDUSTRIAL CO., LTD. Hsi-Chih (P monofil)

CHIEN SUN PLASTIC INDUSTRIAL CO., LTD. Hsin-Chu (E & P film)

CHINA FOLEX CORPORATION Shih-Lin (E & P monofil)

CHUNG KUANG PLASTIC CO., LTD. Chang-Hua (E & P film)

FULLMARK INDUSTRIAL CO., LTD. Hsin-Chu (E & P monofil)

FUU WON CHEMICAL INDUSTRIAL CO., LTD. Tu-Chen (P yarn)

HSIEH CHIN FISHING NET COMPANY, LTD. Kaohsiung *Hsieh Chin* (E monofil - captive)

HUNG FENG ENTERPRISE CO., LTD. Yang-Mei (P monofil)

IEN YI FIBER INDUSTRIAL CO., LTD. Chi-Do Goble (E monofil)

JUI I CHEMICAL INDUSTRIAL CO., LTD. Tou-Yuan (E & P monofil)

KUO HSIANG ENTERPRISE CO., LTD. Yang-Mei (E & P monofil)

LIEN FU CHEMICAL COMPANY LTD. Tou-Fen (E & P monofil)

MEI LON FIBER CO., LTD. Chang-Hua (E monofil)

PAO TSUNG TAI INDUSTRIAL COMPANY LTD. Tainan (P film)

POLON FIBER INDUSTRIAL CO., LTD. Chung-Li (P monofil)

SAN YANG INDUSTRIAL COMPANY LTD. Nei Hu Hsiang (P film)

TAI YEE CHEMICAL INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

UNITED FIBER INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

YAO CHENG PLASTIC CO., LTD. Pan-Chiao (P yarn)

TANZANIA

SUN FLAG TEXTILE KNITWEAR MILLS LTD.	Polyester	Arusha (yarn)

THAILAND

ASIA FIBER CO., LTD.

Nylon 6	Samut Prakam *AFC* (yarn)

HANTEX CORPORATION LTD.

Nylon 6	Mahacha, Samut Sakom (yarn)

ORIENTAL FIBRE

Polyester	Samut Sakom (yarn)

TEIJIN POLYESTER (THAILAND) LTD.

Polyester	Pathumthani, Bangkok *TEIJIN TETORON* (yarn & staple)

THAI MELON POLYESTER CO. LTD.

Polyester	Pathumthani, Bangkok (yarn & staple)

THAI RAYON CO., LTD.

Rayon	Ang Thong (staple)

TORAY NYLON THAI COMPANY

Nylon 6	Bangkhen, Bangkok *TNT* (yarn & monofil)
Polyester	Bangkhen *TNT* (yarn)

TURKEY

AKRILIK KIMYA SANAYII A.S. (AKSA)

Acrylic	Yalova *Aksa* (staple)

FILAMENT SENTETIK IPLIK VE ELYAF SANAYII A.S.

Polyester	Bursa *Filament* (yarn & staple)

GEMLIK SUNI IPEK VE VISKOZ MAMULLERI SANAYII MÜESSESESI (GEMLIK ARTIFICIAL SILK & VISCOSE PRODUCTS INDUSTRY) (Operated by the Sumerbank)

Rayon	Gemlik (staple)

INSA ISTANBUL NAYLON SANAYII A.S.

Nylon 6	Istanbul *Islon* (yarn)
Polyester	Istanbul (yarn)

M.N. SABUNCU

Polyester	Adana *MNS* (yarn) (idle)

NERGIS A.S.

Polyester	Bursa (yarn)

POLYLEN SENTETIK IPLIK SANAYII A.S.

Polyester	Bursa *Polylene* (yarn)

SANCAK TÜL SANAYII LTD., STI.

Polyester	Istanbul *Lalelen* (yarn) (idle)

SASA SUNI VE SENTETIK ELYAF SANAYII A.S.

Polyester	Adana *Perilon* (yarn & staple)

SENTETIK IPLIK FABRIKALARI, A.S. (SIFAS) (SYNTHETIC YARN FACTORIES CORPORATION)

Nylon 6	Bursa *SIFAS* (yarn & staple)
Nylon 66	Bursa (yarn)
Polyester	Bursa (yarn & staple)

SISAS

Polyester	Canakkale* (yarn)

TEKSTIPLIK SANAYII VE TICARET A.S.

Nylon 6	Edirne *Dimlon* (yarn)

YALOVA ELYAF VE IPLIK SANAYII VE TICARET A.S.

Acrylic	Yalova *Yalova* (staple & tow)
Modacrylic	Yalova *Yalova* (staple & tow)

TURKEY (continued)

OLEFIN FIBER

BEZCI ELYAF SANAYII A.S. Istanbul

DINARSU ELYAF SANAYII A.S. Cerkezkoy, Tekirdag (P staple)

ELSAN ELYAF SANAYII VE TICARET A.S. Istanbul (P staple)

HALICIOGLU ELYAF SANAYII A.S. Haskoy, Istanbul (P staple)

SESAS ELYAF SANAYII A.S. Istanbul

GLASS FIBER

CAM ELYAF SANAYII A.S. Cayirova-Gebze (Izmit)

UNION OF SOVIET SOCIALIST REPUBLICS

RAYON PLANTS reported at:
Balakovo, Barnaul, Cherkassy (Ukraine), Kalinin, Kamensk, Kiev, Klin, Krasnoyarsk, Leningrad, Mogilev, Ryazan, Saratov, Sokol, Sverdlovsk and Svetlogorsk.
ACETATE PLANTS reported at:
Engels, Fergana, Kaunas, Kirovakan and Moscow.
NYLON PLANTS reported at:
Barnaul, Chernigov, Daughavpils, Engels, Grodno, Kemerovo, Kiev, Klin, Leningrad, Rustavi, Shchekino and Zhitomer.
NONCELLULOSIC FIBER PLANTS reported at:
Kursk (polyester), Blagoveshchensk (polyester*), Kustanay (vinyon), Minsk (polyester), Mogilev (polyester), Navoi, Polotsk and Saratov (acrylic+modacrylic), Svetlogorski (polyester).
GLASS FIBER PLANTS reported at:
Astrakhan, Kalinin, Khabarovsk, Leningrad, Mingechaur, Moscow, Polotsk, Salavat, Saratov, Sevan and Severodonetsk.

UNITED KINGDOM

ANGLIA FIBRES PLC •

Polyester	Hadleigh, Suffolk (monofil)
Polyvinylfluoride	Hadleigh *Kynar* (monofil)
Saran	Hadleigh *Saran* (monofil)

COURTAULDS FIBRES LTD.

Acrylic	Grimsby, Lincolnshire *Courtelle* (staple & tow)
Modacrylic	Coventry, West Midlands *Teklan* (staple & tow)
Rayon	Grimsby (staple & tow)
Acetate	Coventry; Spondon, Derbyshire *Dicel* (yarn, staple & tow)
Triacetate	Coventry & Spondon *Tricel* (yarn & staple)

DEAN DOVE LTD.

Polyester	Stanley, Durham (yarn)

DU PONT (U.K.) LTD.

Spandex	Maydown, Londonderry, N. Ireland *Lycra* (fused multifil)

HOECHST FIBRE INDUSTRIES U.K. LTD.

Polyester	Limavady, Londonderry, N. Ireland *Trevira* (yarn & monofil)

ICI FIBRES (a division of Imperial Chemical Industries PLC)

Biconstituent	Pontypool, Gwent, Wales; Workington; Cumbria *Cambrelle, Floratex, Terram* (melded fabrics)
Nylon 66	Doncaster, Yorkshire; Gloucester, Gloucestershire; & Pontypool *Bri-Nylon, Bucion, Counterstat, Limbaki, Pavanne, Qazel, Quintesse, Tactel, Timbrelle* (yarn, staple & tow)
Polyester	Pontypool & Wilton, Yorkshire *Limbaki, Mitrelle, Superloft, Terinda, Terylene* (yarn, staple & tow)

UNITED KINGDOM (continued)

NYMOFIL PLC

Nylon 6 & 66	Poulton-le-Fylde, Lancashire (monofil)
Polyester	Poulton-le-Fylde (monofil)

PERI-LUSTA PLC

Nylon 6/66	Leek, Staffordshire (monofil)

OLEFIN FIBER

AMOCO FABRICS & FIBERS CO., DIVISION OF AMOCO (U.K.) PLC Consett, Durham (P film)

ANGLIA FIBRES PLC Hadleigh, Suffolk *TPX* (E & P monofil)

BELFAST ROPEWORK CO. PLC Belfast, N. Ireland *Bluebell* (E & P monofil, P yarn, staple & film)

CROMPTION AND BROTHERS (P staple)

DON FIBRES PLC Forfar, Angus, Scotland (P yarn, monofil, staple & film)

F. DRAKE (FIBRES) PLC Colcar, Huddersfield, Yorkshire *Gymlene* (P staple)

FILTRONA TEXTILE PRODUCTS PLC Dundee, Angus, Scotland *Filtrona* (P film; *Filtrona Fibre* (P staple)

FLEMMING'S ROPE & TWINES (WOOLSTON) PLC Warrington, Lancashire (P monofil)

GREENVILLE CARPETS PLC Belfast, N. Ireland (P yarn)

HALL'S BARTON ROPERY CO. PLC Hull, Yorkshire (P film and E & P monofil)

THE HAWKINS AND TIPSON GROUP Hailsham, East Sussex (P staple & film)

McCLEERY L'AMIE GROUP PLC Belfast, N. Ireland (P yarn)

NORTHERN IRELAND CARPETS PLC Belfast, N. Ireland (P staple)

PLASTICISERS PLC Drighlington, Yorkshire *Drylene* (E monofil); *Charisma, Duron, Fibrite, Tnlor* (P yarn, monofil, film & staple)

POLYOLEFIN FIBRES & ENGINEERING PLC Bradford, Yorkshire *Downspun* (P staple)

OLEFIN FILM FIBER, only

BONAR TEXTILES PLC Dundee, Angus, Scotland

BRIDON FIBRES & PLASTICS PLC Gateshead & Sunderland, Durham & Wallsend, Northumberland *Broplene, Red Star, Viking*

FAIRBAIRN LAWSON PACKAGING PLC Barnsley, Yorkshire

POLYTAPE PLC Dundee, Angus, Scotland *Propafil, Propatape*

ROKO CONTAINERS Nottingham

ROTHES PLASTICS PLC Glenrothes, Fife, Scotland

SMITH & NEPHEW POLYFABRIK PLC Newhey, near Rochdale Lancashire *Polyweave*

SYNTHETIC FABRICS (SCOTLAND) PLC Forfar, Angus

UNITED KINGDOM (continued)

SYNTHETIC INDUSTRIES (IRELAND) PLC Newry, Down, N. Ireland

TALBOT WEAVING CO. PLC Chorley, Lancashire

TAY TEXTILES Dundee, Angus, Scotland

GLASS FIBER

FIBREGLASS PLC (Subsidiary of Pilkington Brothers PLC) Wrexham, Clwyd, Wales *Fiberglass*

T GLASS FIBRES PLC Camberley, Surrey & Hindley Green, Lancashire

FIBREGLASS-REGINA, a joint venture of FIBREGLASS PLC and the BBA GROUP PLC, is producing textile glass tissue (viole) at Liversedge and St. Helens, Merseyside.

UNITED STATES OF AMERICA

ALBANY INTERNATIONAL - MONOFILAMENT PLANT •

Fluoro	Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66 & 612	Homer (monofil)
Polyester	Homer (monofil - regular & hydrolysis-resistant)

ALLIED/SIGNAL FIBERS DIVISION •

Nylon 6	Columbia, SC & Chesterfield, VA *A.C.E., Anso, Anso-X, Anso IV HP, Anso IV HP with HaloFresh, Anso IV with HaloFresh, TEC, Caprolan 2000, Caprolan 2000 SeaGard, Caprolan, Captiva* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION

Acrylic	Milton, FL *Creslan* (staple & tow)

AMERICAN HOECHST CORPORATION, HOECHST FIBERS INDUSTRIES DIVISION

Polyester	Spartanburg, SC *Trevira* (yarn, monofil, staple & spunbond)

AMETEK INC., SPECIAL FILAMENTS DIVISION •

Nylon 6, 66, 612 & 11	Odenton, MD (monofil)
Polyester	Odenton (monofil)
Saran	Odenton (monofil)

AVTEX FIBERS INC. •

Polyester	Lewistown, PA *Avlin* (yarn)
Rayon	Front Royal, VA (ind yarn & staple)

BASF CORPORATION FIBERS DIVISION

Acrylic	Williamsburg, VA *Zefran, Zefkrome* (staple)
Nylon 6	Enka, NC, Anderson & Central, SC and Lowland, TN *Anti-Cling Crepeset, Crepeset, Enkalon, Enkalure, Enkasheer, Lurelon, Softalon, T.E.N., Zeftron* (yarn & staple)
Polyester	Lowland *Crepesoft, Encron, Encron 8, Enka, Golden Glow, Golden Touch, Matte Touch, Ply Loc, Polyextra, Shanton, Silky Touch, Ultra Touch* (yarn & staple)
Rayon	Lowland *Absorbit, Enkaire, Enkrome, Fiber 700, IT* (staple)

BERKLEY & CO., INC. •

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION •

Nylon 6	Bristol, VA *Camalon* (yarn)

UNITED STATES (continued)

CELANESE FIBERS, A DIVISION OF CELANESE CORPORATION (includes former Fiber Industries plants)

Acetate	Rock Hill, SC Celriver & Narrows, VA (Celco) (yarn, staple & tow)
Polyester	Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angelette, Ceylon, Comfort Fiber, ESP, Fortrel, Loftguard, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)
Triacete	Rock Hill *Arnel* (yarn, staple & tow)
PBI	Rock Hill (staple)

CORTLAND LINE COMPANY

Nylon 6	Cortland, NY (monofil - captive)

COURTAULDS NORTH AMERICA INC.

Nylon 6	Le Moyne, Mobile County, Al *Courtaulds, Shareen* (yarn & monofil)
Rayon	Le Moyne (staple)

E.I. DU PONT DE NEMOURS & COMPANY (INC.) •

POLYMER PRODUCTS DEPARTMENT

Nylon 6, 66, 612 & Polyester	Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)

TEXTILE FIBERS DEPARTMENT •

Acrylic	Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid	Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Nylon 66	Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten* (yarn, monofil, staple & tow)
Polyester	Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex	Waynesboro *Lycra* (fused multifill or coalesced monofil)

EASTMAN KODAK COMPANY

TENNESSEE EASTMAN COMPANY

Acetate	Kingsport, TN (yarn)
Polyester	Kingsport, TN, Columbia, SC *Kodel* (yarn & staple)

FIBER INDUSTRIES, INC. - See Celanese Fibers

FIRESTONE FIBERS & TEXTILES COMPANY, DIVISION OF FIRESTONE TIRE & RUBBER COMPANY

Polyester	Hopewell, VA (yarn)

FOSS MANUFACTURING CO., INC. •

Polyester	Haverhill, MA (staple - captive)

GLOBE MANUFACTURING CO.

Spandex	Fall River, MA & Gastonia, NC *Cleerspan, DC-100, DC-700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, CHEMICAL DIVISION

Polyester	Scottsboro, AL & Point Pleasant, WV (yarn - captive)

GUILFORD MILLS, GAINESVILLE DIVISION

Nylon 6	Gainesville, GA (yarn & monofil - captive)

HANOVER MILLS, INCORPORATED (subsidiary of Falk Fibers & Fabrics, Inc.)

Nylon 6	Yanceyville, NC *Hanover* (yarn & monofil)

UNITED STATES (continued)

JOHNSON FILAMENTS, INC. • (subsidiary of JWI Ltd.)

Nylon 6/66	Williston, VT (monofil)
Polyester	Williston (monofil)

KAYSER-ROTH CORPORATION, YARN PROCESSING DIVISION

Nylon 66	Creedmoor, NC (yarn - captive)

MONOFILAMENTS, INC.

Nylon 6/66	Waynesboro, VA (monofil)
Polycarbonate	Waynesboro (monofil)
Polyester	Waynesboro (monofil)

MONSANTO COMPANY

MONSANTO FIBERS AND INTERMEDIATES CO.

Acrylic	Decatur, AL *Acrilan, Bi-Loft, Fi-Lana, Fondelle, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic	Decatur *SEF* (staple & tow)
Nylon 66	Pensacola, FL & Greenwood, SC *Ultron* (yarn, monofil & staple)

MONOSANTO PLASTICS AND POLYMERS COMPANY

Nylon 66	Pensacola *Astro Turf* (recreational & landscaping surfaces)

NORTH AMERICAN RAYON CORPORATION

Rayon	Elizabethton, TN (ind & reg yarn & tow)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION

Nylon 6/66	Columbia, SC *S_3, Superflex, Wonderthread, Whispertouch* (monofil)
Polyester	Columbia *Shakespeare Wonderthread* (monofil)

STAR FIBERS, INC.

Nylon 6	Edgefield, SC *Starbrite* (staple)

SUNSHINE CORDAGE CORPORATION •

Nylon 6	Miami, FL *Sunylon* (yarn)

TOLARAM FIBERS, INC.

Polyester	Ansonville & Asheboro, NC (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION (subsidiary of Falk Fibers & Fabrics, Inc.)

Polyester	Fuquay-Vanna, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION

Nylon 6 & 66	Johnsonville, SC *Wellon, Wellstrand* (staple, tow & tops)
Polyester	Johnsonville *Fillwell, Wellene, Wellstrand* (staple & tow)

YKK ZIPPER CO.

Polyester	Macon, GA (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC. Woonsocket, RI (P yarn & multifill)

ALADDIN CARPETS, INC. Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT Homer, NY (P monofil)

ALLIED/SIGNAL, FIBERS DIVISION Chesterfield, VA *Spectra-900, Spectra-1000* (E yarn)

AMERICAN MANUFACTURING COMPANY
LAFAYETTE ROPE DIVISION Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil)

UNITED STATES (continued)

AMERICAN POLYCRAFT Dalton, GA (P yarn & film)

AMETEK INC., SPECIAL FILAMENTS DIVISION Odenton, Md (E & P monofil)

AMOCO FABRICS & FIBERS COMPANY Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA, Lowell, NC & Afton, VA *Marquésa Lana, Patlon, Patlon Plus, Propex III* (P yarn, monofil, film & staple)

ARLIN MFG. CO., INC. Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC. Charlotte, NC (P film - captive)

AVTEX FIBERS INC. Front Royal, VA (P staple)

BEAULIEU OF AMERICA Dalton, GA (P yarn)

BEMIS COMPANY, INC. St. Louis, MO (P film)

BERKLEY & CO. INC. Spirit Lake, IA (E & P monofil - captive)

BLUE MOUNTAIN EXTRUSIONS Anniston, AL *Gold Medal, Poly Autotwine, Poly Macramé, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film)

BRIDON CORDAGE INC. Albert Lea, MN (P film)

BURLINGTON, INC. Greensboro, NC (P yarn)

CAMAC CORPORATION Bristol, VA (P yarn)

CHASE BAG COMPANY Portland, OR (P film & industrial goods)

CIRTEX Dalton, GA (P film)

COLUMBIAN ROPE COMPANY Guntown, MS *Polypro 6* (E & P monofil & film)

CONCORDE FIBERS, INC. Jamestown, SC (P yarn)

CROWE ROPE COMPANY Warren, ME *Crowelon* (P monofil)

CROWN ZELLERBACH CORPORATION, NONWOVEN FABRICS DIVISION Washougal, WA *Celestra, Fibretex* (P spunbonded)

CUMBERLAND MILLS, INC. Dalton, GA (P yarn)

CUTLASS CARPET CO. Dalton, GA (P yarn)

DIAMOND MILLS, INC. Eton, GA (P yarn & film)

DORSETT CARPET MILLS INC. Chatsworth, GA (P yarn)

E.I. DU PONT DE NEMOURS & COMPANY (INC.), TEXTILE FIBERS DEPT. Old Hickory, TN & Richmond, VA *Typar* (P spunbonded); *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC. Central Falls, RI (P yarn & film)

ENSIGN-BICKFORD INDUSTRIES, INC., FILM FIBERS DIVISION Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS, INDUSTRIAL TEXTILES DIVISION Kingman, KS & Summerville, SC (P monofil & film)

UNITED STATES (continued)

FIBERS & FABRICS OF GEORGIA, INC. (subsidiary of Georgia Synthetics, Inc.) Elberton, GA (E & P yarn, monofil & multifil)

FIBRES SOUTH, INC. Trussville, AL *Polystar, Trustite, Tyrite* (P film, monofil & staple)

FIBRON CORPORATION OF TENNESSEE (subsidiary of Harbour Group Ltd.) Chattanooga, TN *Fibri-Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED Lakewood, NJ (P yarn)

FNT INDUSTRIES INC. Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC. Haverhill, MA (P staple - captive)

GENERAL FIBERS & FABRICS, INC. La Grange, GA (P film)

GEORGIA SYNTHETICS, INC. Elberton, GA (E & P yarn, monofil & film)

GLADDING, CORDAGE CORPORATION South Otselic, NY (P monofil)

HERCULES INCORPORATED, HERCULES ENGINEERED & FABRICATED PRODUCTS COMPANY, FIBERS Oxford, GA *Herculon* (P yarn & staple)

THE HOOVEN & ALLISON COMPANY Xenia, OH (P film)

INTEGRATED PRODUCTS, INC. Rome, GA (P staple)

J & J INDUSTRIES Dalton, GA (P yarn)

JOHNSON FILAMENTS Williston, VT (P monofil)

KELLER INDUSTRIES, INC. Swainsboro, GA (P monofil - captive)

KIMBERLY-CLARK CORPORATION Corinth, MS, Balfour, NC, La Grange, GA & Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded); *Cyclean, Evolution III* (P spunbonded/meltblown & laminate)

LAMBETH CORPORATION New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY (A CONSOLIDATED FOODS COMPANY) Burlington, NC (E monofil - captive)

LORETEX, DIVISION OF OIVIND LORENTZEN, INC. Guilderland Center, NY (E film - captive)

MIRAFI INC (subsidiary of Dominion Textiles) Moultrie, GA (P film - captive)

NSI, INC. Soperton, GA (P film - captive)

THE OSTERNECK COMPANY Lumberton, NC (P film)

PHILLIPS FIBERS CORPORATION (subsidiary of Phillips 66 Company) Rocky Mount, NC, Seneca & Spartanburg, SC *Marvess* (P yarn, staple & tow)

POLYLOOM CORPORATION OF AMERICA Dayton, TN *Polyloom* (P film)

SARLON INDUSTRIES, INC. Miami, FL (P monofil & film)

SHUFORD MILLS, INC. Hickory, NC (P film)

SOLUTION FIBERS, INC. Lafayette, GA (P yarn)

SOUTHERN WEAVING, INC. Greenville, SC (P yarn)

UNITED STATES (continued)

STEVENS FIBER DIVISION, STEVENS LINEN ASSOC., INC. Dudley, MA (staple)

SUNBURST YARNS Afton, VA (P yarn)

SUNSHINE CORDAGE CORPORATION Miami, FL (E & P monofil)

SYNTHETIC INDUSTRIES Chickamauga & Dalton, GA (P film & staple - captive)

TECHNOTRADE Dalton, GA (P yarn)

TRUSTITE DIVISION OF FIBRES SOUTH, INC. Clearfield, UT *Trustite, Tyrite* (P film)

TUBBS CORDAGE COMPANY Orange, CA *Loktite* (P monofil & film)

TWINE PRODUCTS CORPORATION New Orleans, LA (P film)

UNITED STATES ROPE COMPANY Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC. Granite Quarry, NC (E & P monofil)

WALTRICH PLASTIC CORPORATION Walthourville, GA (P monofil)

WAYN-TEX, INC. Waynesboro, VA *Beamette, Wayntuf* (E & P yarn & monofil & P film - captive)

WELLINGTON PURITAN MILLS (MONTAIR DIV.) Pilot Mountain, NC *Pur-Ty, Welltite* (P yarn & E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC. Leesville & Summerville, SC (P yarn & monofil)

TEXTILE PRODUCTS FROM OLEFIN

CALIFORNIA WEBBING (P yarn)

CONTINENTAL (P yarn)

CONWED CORP. Conwed Plastic Netting (P embossed film for netting)

DICEY (P yarn)

E.I. DU PONT DE NEMOURS & COMPANY (INC.) (E & P embossed film for netting)

HERCULES INCORPORATED, POLYMERS DIVISION *Delnet* (E embossed film for netting)

NALLE, INC. (P embossed film for netting)

RIEGEL PRODUCTS CORPORATION *Polyweb* (P meltblown)

THE 3M COMPANY (P spunbonded)

GLASS FIBER

CERTAINTEED CORPORATION, FIBER GLASS REINFORCEMENTS DIVISION Wichita Falls, TX *RO99, Satin Glass, Stichmat, Unifilo* (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC. Amsterdam, NY (roving & chopped)

GAF, BUILDING MATERIALS DIVISION Irwindale, CA (chopped), Nashville, TN (chopped)

GFT (GLASS FIBER TECHNOLOGY) Chester, SC (wet chopped for shingles)

LUNDY TECHNICAL CENTER Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving, strand & mat)

MANVILLE CORPORATION Waterville, OH & Etowah, TN *Chop-Pak, Dura-Glass, Star Stran, Star Rov* (chopped strand, mat, sliver & roving)

NICOFIBERS INC. Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

OMNI FIBER GLASS CORPORATION - DIVISION OF KOPPERS COMPANY Chino, CA (roving, chopped & milled)

OWENS-CORNING FIBERGLAS CORPORATION Huntingdon, PA, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, woven roving, mat, chopped & milled)

PPG INDUSTRIES, INC., FIBER GLASS Lexington & Shelby, NC *Azdel* (yarn, roving, mat, chopped strand, woven roving & rubber reinforcement)

SUPERIOR GLASS FIBERS, INC. Bremen, OH (mat)

URUGUAY

HILADOS SINTETICOS S.A. (HISISA)

Nylon 66	Estacion Manga, Montevideo *Hisilon* (yarn)

POLIMEROS URUGUAYOS S.A.

Polyester	San José, San José (staple)

SINTETICOS SLOWAK S.A.

Nylon 6	Montevideo *Crofil* (yarn & monofil)
Nylon 66	Montevideo *Hisilon* (yarn)
Polyester	Montevideo *Terpol* (yarn)

SUDAMTEX del URUGUAY S.A.

Acetate	Colonia (yarn)

OLEFIN FIBER

ARYN S.A. Montevideo (E monofil)

CINCA S.A. Montevideo (E film)

ELABORADORA DE ARPILLERA SINTETICA S.A. (E film)

UDINE S.A. (E monofil)

VENEZUELA

C.A. INVERSIONES ARAGUA

Nylon 6	Maracay *Sudalon* (yarn)

GOMELAST, C.A.

Spandex	Caracas *Spandaven* (yarn)

HILADOS FLEXILON

Nylon 6	Caracas (yarn)
Polyester	Caracas (yarn)

MANTEX, C.A.

Acetate	Valencia (yarn)
Polyester	Maracay, Valencia *Fortrel* (yarn & staple)

SUDAMTEX DE VENZUELA, C.A.

Polyester	Maracay (yarn & staple)

YUGOSLAVIA

HEMTEKS

Polyester	Skopje, Macedonia *Maklen* (yarn & staple)

INCEL FABRIKA CELULOZE I VISKOZE

Polyester	Banja Luka, Bosna i Hercegovina *Belira* (yarn)
Rayon	Banja Luka (staple)

INDUSTRIJA SINTETICKIK VLAKANA (PROGRES)

Nylon 6	Prizren, Kosovo Mitohijan *Supralon* (yarn)
Polyester	Istok, Kosovo Mitohijan & Prizren *Prizrenit* (yarn)

KEMICNA TOVARNA MOSTE

Nylon 6	Ljubljana, Slovenia *Yulon* (yarn)

ORGANSKO HEMIJSKA INDUSTRIJA SKOPJE (OHIS)

Acrylic	Skopje, Macedonia *Makrolan, Malon* (staple)

TEKSTILNA INDUSTRIYA "ZELE VELJKOVIC"

Nylon 6	Leskovac* (yarn & staple)

VARAZDINSKI TEKSTILNI KOMBINAT (VARTEKS)

Polyester	Varazdin (staple)

VISKOZA

Rayon	Loznica, Serbia (ind & reg yarn & staple)

OLEFIN FIBER

HEMIJASKA INDUSTRIJA U OSNIVANJU Belgrade (P staple)

GLASS FIBER

GOSTIVAR STAKLARA Staklara (roving & mat)

WORLD MAN-MADE FIBER PRODUCER AFFILIATIONS & PERCENTAGE OF CAPITAL OWNERSHIP

Licensing and royalty agreements are not taken into account. The ownership of companies, other than man-made fiber producers, is not listed; e.g., weaving mills, chemical producers, etc.

For each country, the percentage following the first-named producer is the portion owned by the captioned company; the remainder of the entry shows other ownership. For example, Akzo N.V. owns 40% of Fibras Quimicas and Alfa-Group owns 60%.

AKZO N.V. (NETHERLANDS)

Brazil	Companhia Bahiana de Fibras 45%; others 55%; Polyenka 51%; others 49%
Colombia	Enka de Colombia 48%; others 52%
Ecuador	Enkador 48%; others 52%
Germany	Enka 97%; public 3%
India	Century Enka 39%; others 61%
Mexico	Fibras Quimicas 40%; Alfa-Group 60%
Netherlands	Enka 100%
	Silenka 33.33%; PPG Industries 33.33%; others 33.33%
Spain	La Seda 57%; others 43%

AMERICAN CYANAMID COMPANY (U.S.A.)

U.S.A.	Fibers Division 100%

AMOCO CHEMICALS CORPORATION (U.S.A.)

Australia	Amoco Fabrics & Fibers Co. 100%
Canada	Amoco Fabrics & Fibers Co. 100%
Germany, F.R.	Amoco Fabrics & Fibers Co. 100%
U.K.	Amoco Fabrics & Fibers Co. 100%
U.S.A.	Amoco Fabrics & Fibers Co. 100%

ASAHI CHEMICAL INDUSTRY CO. LTD. (JAPAN)

India	Baroda Rayon Corp. 1%; local interests 89%; others 10%
Indonesia	P.T. Indonesia Asahi Chemical 51%; others 19%; local interests 30%
Ireland	Asahi Synthestic Fibres (Ireland) 85%; others 15%
Japan	Asahi Chemical 100%
Korea, Rep.	Tong Yang Polyester 50%; Tong Yang Nylon 50%

BASF AMERICA CORPORATION (U.S.A.)

BASF America owns 100% of BASF Corporation Fibers Division (U.S.A.), which in turn owns 100% of BASF Fibers Inc.

BAYER A.G. (WEST GERMANY)

Belgium	Bayer Antwerpen N.V. 100%
Germany, F.R.	Bayer A.G. 100%
	Faserwerke Lingen G.m.b.H. 100%
Iran	Sherkat Sahami Aliaf 50%
Peru	Bayor Industrial S.A. 60%

CELANESE CORPORATION (U.S.A.)

Belgium	Celanese S.A. 100%
Brazil	Celanese do Brasil S.A. 100%
Canada	Celanese Canada Inc. 56%; public 44%
Mexico	Celanese Mexicana 40%; public 60%
U.S.A.	Celanese Fibers 56%; public 44%

COURTAULDS, PLC (U.K.)

Canada	Courtaulds (Canada) Inc. 100%
France	Courtaulds S.A. 100%
Italy	Novaceta S.p.A. 50%; SNIA 50%
	Courtaulds Fibres S.A. 84%; others 16%
Spain	INACSA 12%; public 88%
U.K.	Courtaulds Fibres Ltd. 100%
U.S.A.	Courtaulds North America Inc. 100%

E. I. DU PONT DE NEMOURS & COMPANY (U.S.A.)

Argentina	Ducilo 82%; Bunge & Born 18%
Brazil	Du Pont do Brasil 100%
Canada	Du Pont Canada 75%; public 25%
Germany, F.R.	Du Pont de Nemours (Deutschland) 100%
Japan	Toyo Products 50%; Toray Industries 50%
Luxembourg	Du Pont Fibres 100%
Mexico	Nylon de Mexico 40%; Alfa-Group 51%; public 9%
Netherlands	Du Pont de Nemours (Nederland) 100%
U.K.	Du Pont (U.K.) 100%
U.S.A.	Textile Fibers Department 100%
	Polymer Products Department 100%

FIRESTONE TIRE & RUBBER COMPANY (U.S.A.)

Canada	Firestone Textiles Co. 100%
U.S.A.	Firestone Fibers & Textiles 100%

HARBOUR GROUP LTD. (U.S.A.)

U.K.	Synthetic Industries (Ireland) PLC 100%
U.S.A.	Fibron Corp. of Tennessee 100%
	Synthetic Industries, Inc. 100%
	Synthetic Industries (Texas), Inc. 100%

HERCULES INCORPORATED (U.S.A.)

Italy	HIMONT Fibers 50%; Montedison 50%
U.S.A.	Hercules 100%

HOECHST A.G. (WEST GERMANY)

Austria	Austria Faserwerke; Hoechst Austria 51%; Lenzing 49%
Brazil	Cia. Brasileira de Sintéticos 100%
Germany, F.R.	Hoechst 100% Zehlendorf 91%; others 9%
South Africa	Hoechst South Africa 100%
U.K.	Hoechst Fibre Industries 100%
U.S.A.	American Hoechst 100%

IMPERIAL CHEMICAL INDUSTRIES LIMITED (U.K.)

ICI owns 62% of ICI Australia Ltd., which in turn owns Fibremakers Ltd. of Australia

Germany, F.R.	ICI Europa Fibres G.m.b.H. 100%
India	Chemicals & Fibres of India Ltd. 55%
Pakistan	ICI Pakistan Manufacturers 70%
Portugal	Finicisa-Fibras 50%; Francisco Fino Ltd. 50%
South Africa	S.A. Nylon Spinners (through AECI Ltd.) 40%
Spain	Nurel S.A. 50%; local interests 50%
U.K.	ICI Fibres 100%

KURARAY CO., LTD. (JAPAN)

Indonesia	Kuma Fiber 40%; Marubeni 30%; local interests 30%
Japan	Kuraray 100%

MITSUBISHI RAYON (JAPAN)

Japan	Mitsubishi Acetate 100% Mitsubishi Rayon 100%
Portugal	FISIPE 4%; Mitsubishi Corp. 9%; Quimigal 87%
Taiwan	Tong Hwa 19%; Mitsubishi Corp. 12%; others 69%

MONTEFIBRE S.p.A. (ITALY)

Italy	Società Italiana Poliestere S.p.A. 100%; Società Italiana Prodotti Acrilici S.p.A. 100%, Industrie Tessili Vercelli S.p.A. 100%, Società Industriale Cremonese S.p.A. 50%; others 50%
Spain	Montefibre Hispania S.A. 87%; others 13%

OWENS-CORNING FIBERGLAS CORPORATION (U.S.A.)

Belgium	Owens-Corning Fiberglas Europe 100%
Brazil	OCFIBRAS 100%
Canada	Fiberglas Canada 49%; Duplate Canada 49%; local interests 2%
France	Owens-Corning Fiberglas Europe 100%
Japan	Asahi Fiber Glass 28%; Asahi Glass Co., Ltd. 72%
Mexico	Vitro-Fibras 40%; Vitro Group 60%
Norway	Owens-Corning Fiberglas Europe 70%; Elkem-Spigerverket 30%
Spain	Owens-Corning Fiberglas Europe 100%
Sweden	Owens-Corning Fiberglas Europe 100%
U.S.A.	Owens-Corning Fiberglas 100%

PPG INDUSTRIES (U.S.A.)

Netherlands	Silenka 33.33%; Akzo N.V. 33.33%; NOM 33.33%
U.S.A.	Fiber Glass Products 100%

PILKINGTON BROTHERS (U.K.)

Argentina	VASA 99.7%; Glaverbel/Boussois/local interests 0.3%
India	Fibreglass Pilkington 50%, plus 1 share; Indian interests 50%, less 1 share
South Africa	Fibreglass South Africa 24.5%; Owens-Corning Fiberglas (U.S.A.) 24.5%; Plate Glass & Shatterprufe Industries Ltd. 51%
U.K.	Fibreglass PLC 100%

RHÔNE-POULENC S.A. (FRANCE)

Argentina	Rhodia Argentina Qúimica e Têxteis 100%
Brazil	Rhodia S.A. 100%; Rhodia Nordeste 99%
France	Rhône-Poulenc-Textile 99.9%; Rhône-Poulenc Fibres 100%; Cellatex 100%; Rhovyl 100%
Germany, F.R.	Rhodia A.G. 100%
Spain	SAFA 60%
Switzerland	Viscosuisse (through Holva AG) 87%

SAINT-GOBAIN (FRANCE)

France	Saint-Gobain Industries 100%
Germany, F.R.	Gevetex-Textilglas 100%
Italy	Vetrotex Italia 100%
Spain	Cristaleria Espanola S.A. 69%
U.S.A.	CertainTeed Corp. 55%; others 45%

SNIA FIBRE (ITALY)

France	Ets. Nysam 100%
Italy	Novaceta 50%; Courtaulds (U.K.) 50%

TEIJIN LTD. (JAPAN)

Indonesia	P.T. Tifico 65.8%; Toyo Menka 16.5%; local interests 17.7%
Japan	Teijin 100% Teijin Acetate 100%
Korea, Rep.	Sunkyung Fibres 5.5%; local interests 94.5%
Thailand	Teijin Polyester 45%; local interests 55%

TORAY INDUSTRIES, INC. (JAPAN)

Indonesia	P.T. Indonesia Toray Synthetics 59%; others 41%
Japan	Toray Industries 100%; Toray-Monofilament 100%; Toray-DuPont 50%, DuPont 50%
Korea, Rep.	Cheil Synthetic Textiles 22.8%; others 77.2% Kolon Industries 19.3%; others 80.7%
Malaysia	Penfibre SDN. Berhad 100%
Thailand	Toray Nylon Thai 30%; others 70%

TUBBS CORDAGE COMPANY (U.S.A.)

Philippines	Manila Cordage 40%
U.S.A.	Tubbs Cordage 100%

WELLMAN, INC. (U.S.A.)

Ireland	Wellman International Ltd. 45%; Irish Nationals 55%
U.S.A.	Man-Made Fiber Division 100%

OLEFIN DATA PRESENTATION

As has been the practice with past June issues, all world olefin data are presented separately from the other noncellulosic fibers. This method of presentation is necessitated by a lack of complete olefin data worldwide.

Two examples illustrate the problem:

A. Though the U.S. olefin production data published regularly in the ***Organon*** include yarn, monofil, staple, film fiber and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as is used in sacks, fishing nets and carpet backing.

B. The published man-made fiber data of many other countries show little or no olefin fiber production at all (e.g., France, West Germany and the United Kingdom).

Due to the difficulties given above, the noncellulosic data, except olefin, are presented on pages 104-107.

The olefin data for most countries appear on page 115. These data consist of (a) the "official" country data published by a government, an association or other statistical agency, and (b) an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. No attempt is made to strike a world total because the incomplete data of a number of countries, particularly in Latin America, Eastern Europe and Africa, Asia and Oceania, prohibit such a tabulation.

TABLE 10:
NUMBER OF MAN-MADE FIBER PRODUCING PLANTS (EXCEPT OLEFIN)*

COUNTRY & REGION	CELL.		NONCELLULOSIC					TEXTILE GLASS	GRAND TOTAL
	ACETATE[a]	RAYON	ACRYLIC[b]	NYLON[c]	POLYESTER	OTHER[d]	TOTAL		
WEST EUROPE									
AUSTRIA		2			1	1	2		4
BELGIUM/LUX.	1	1		3	1		4	2	8
FINLAND		1		1			1	1	3
FRANCE		3	3	10	3	2	18	3	24
WEST GERMANY	1	4	3	13	11	4	31	3	39
GREECE		1	1	2	3		6		7
IRELAND (EIRE)			2	3	2		7		7
ITALY/MALTA	4	5	9	26	13	2	50	5	64
NETHERLANDS		1		2	1	1	4	1	6
NORWAY								1	1
PORTUGAL		2	1	2	2		5	1	8
SPAIN	2	2	4	11	7		22	2	28
SWEDEN		1		1			1	1	3
SWITZERLAND				6	3		9		9
TURKEY		1	3	4	9		16	1	18
UNITED KINGDOM	4	1	4	7	10	9	30	8	43
TOTAL W. EUROPE	**12**	**25**	**30**	**91**	**66**	**19**	**206**	**29**	**272**
EAST EUROPE									
BULGARIA		1	1	1	1		3		4
CZECHOSLOVAKIA		8		6	3		9	4	21
GERMAN D.R.		9	4	4	3	1	12	1	22
HUNGARY		1	1	1			2		3
POLAND		6	1	1	3	2	7	2	15
ROMANIA		5	1	1	2		4		9
YUGOSLAVIA		3	2	5	8		15	1	19
TOTAL E. EUROPE		**33**	**10**	**19**	**20**	**3**	**52**	**8**	**93**
AMERICAS									
ARGENTINA	1	1	1	7	5	1	14	1	17
BOLIVIA					1		1		1
BRAZIL	2	5	4	30	17	2	53	2	62
CANADA	1	1		3	2	1	6	1	9
CHILE		2		4	4		8		10
COLOMBIA	2			6	7		13		15
COSTA RICA					1		1		1
CUBA		1							1
ECUADOR					5		5		5
GUATEMALA				1			1		1
MEXICO	2	2	7	10	10	2	29	1	34
PERU	1		1	6	4		11		12
U.S.A.	5	4	5	31	32	7	75	18	102
URUGUAY	1			4	2		6		7
VENEZUELA	1			2	4	1	7		8
TOTAL AMERICAS	**16**	**16**	**18**	**104**	**94**	**14**	**230**	**23**	**285**
AFRICA, ASIA & OCEANIA									
AUSTRALIA				2	2	1	5	1	6
BANGLADESH		2		1			1		3
EGYPT		2		1	2		3		5
INDIA	2	24	5	24	27		56	4	86
INDONESIA		9		7	23		30		39
IRAN			1	2	1		4		4
IRAQ		1							1
ISRAEL			1	1			2		2
JAPAN	2	16	7	14	22	17	60	14	92
KENYA				1	4		5		5
KOREA, REP. OF	1	1	2	7	11	1	21		23
MALAYSIA			2		1		3		3
NIGERIA					1		1		1
PAKISTAN	1			3	12		15		16
PHILIPPINES				3	3		6		6
SOUTH AFRICA				1	4		5		5
SRI LANKA				1			1		1
TAIWAN		2	3	16	18		37		39
TANZANIA					1		1		1
THAILAND		1		4	6		10		11
TOTAL A,A & O	**6**	**58**	**21**	**88**	**138**	**19**	**266**	**19**	**349**
WORLD TOTAL*	**34**	**132**	**79**	**302**	**318**	**55**	**754**	**79**	**999**

* Data for People's Republic of China, North Korea & U.S.S.R. are not included here.

a. Acetate includes triacetate.

b. Acrylic includes modacrylic.

c. Nylon includes aramid.

d. Includes 1 azlon, 5 biconstituent, 2 fluorocarbon, 1 PBI, 1 polycarbonate, 1 polychlal, 2 polyesteramide, 1 polyvinyl fluoride, 1 promix, 8 saran, 22 spandex or elastomer, 4 vinal and 6 vinyon plants, for a total of 55 plants producing these miscellaneous fibers.

TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE DROPS

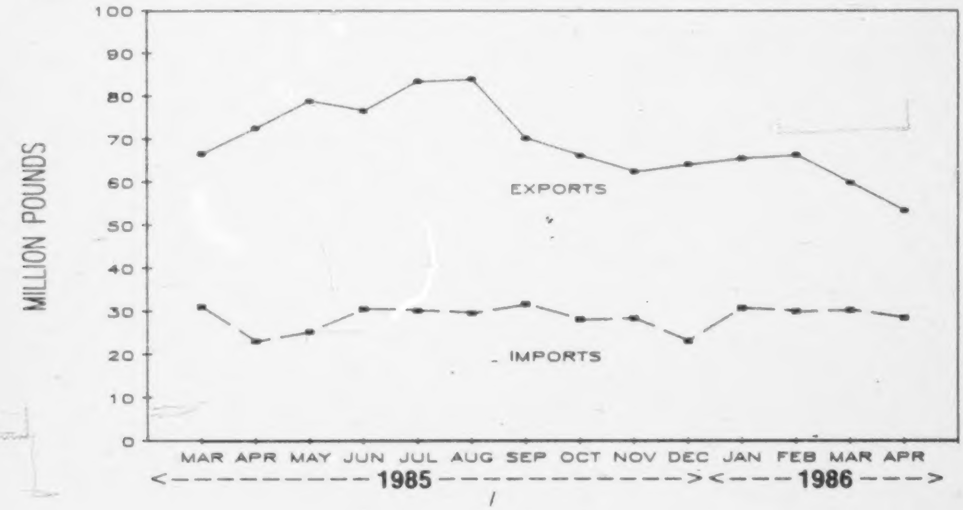
The U.S. man-made fiber balance of trade fell in April as the net-export balance of trade declined to 24.9 million pounds, down almost 16% from the 29.6 million pound export balance in March. Declining exports and imports of man-made fiber resulted in the decline of the trade balance. Imports of fiber amounted to 28.5 million pounds, down 6% from the 30.3 million pounds imported in March. Exports of fiber in April totaled 53.4 million pounds, a decline of almost 11% from the 59.9 million pounds exported in March.

The April trade balance is almost 50% below that of April 1985. This month's imports are 23.4% above the level of last April, while exports are down 26.4% during the same period.

NOTE ABOUT MANUFACTURES TRADE DETAIL

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ORGANON.

GRAPH 1:
IMPORTS VS EXPORTS OF MAN-MADE FIBER



GRAPH 2:
MAN—MADE FIBER MONTHLY TRADE BALANCE

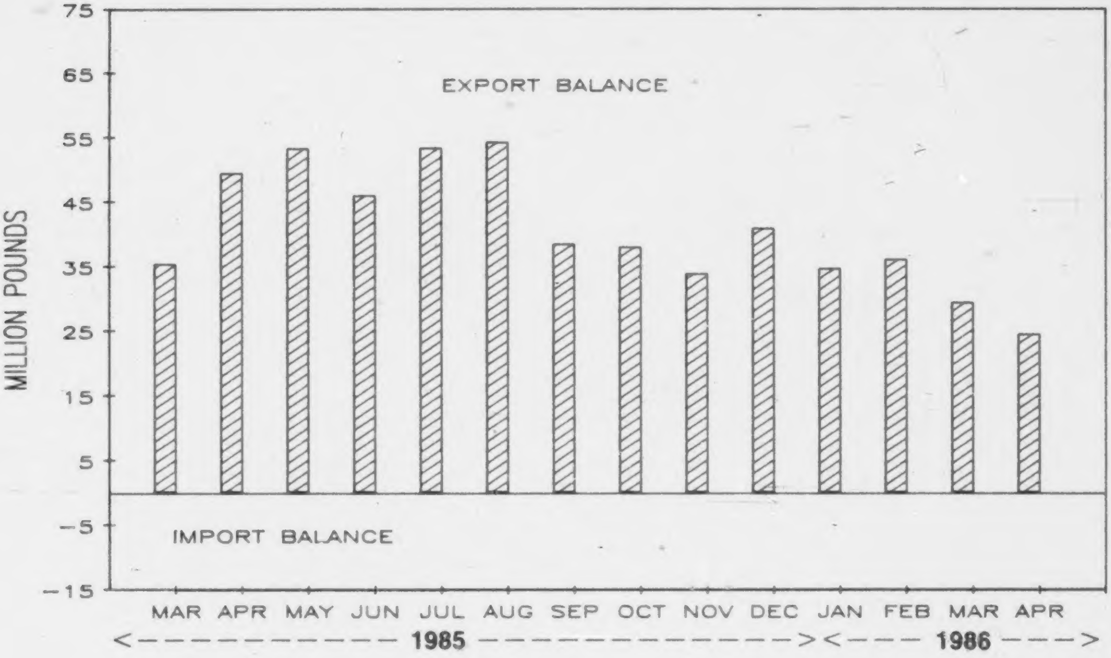


TABLE 11:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985										1986			
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
CELLULOSIC YARN+MONOFILAMENTS	0.3 E	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I
CELLULOSIC STAPLE+TOW	2.2 E	3.7 E	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E	0.4 I
NONCELLULOSIC YARN+MONOFILAMENTS	10.2 E	18.9 E	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E	13.6 E
NONCELLULOSIC STAPLE+TOW	23.4 E	24.8 E	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E	4.0 E
CELLULOSIC WASTE	0.2 E	0.1 E	0.1 E	0.1 E	+	+	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E	0.3 E
NONCELLULOSIC WASTE	0.7 I	2.2 E	2.1 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E	8.3 E
TOTAL	**35.6 E**	**49.7 E**	**53.5 E**	**46.2 E**	**53.6 E**	**54.5 E**	**38.7 E**	**38.2 E**	**34.1 E**	**41.1 E**	**34.8 E**	**36.3 E**	**29.6 E**	**24.9 E**

I means net-import balance.
E means net-export balance.

TABLE 12:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1986	1985
NONCELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53									191	260
CANADA	200	420	226	302									1148	576
GERMANY, FED. REP. OF	482	284	783	594									2143	1637
JAPAN	95	41	50	25									211	245
MEXICO	81	114	0	62									257	247
NETHERLANDS	195	181	167	233									776	382
REP. OF KOREA	80	60	80	80									300	22
ALL OTHER COUNTRIES[a]	160	146	136	265									707	131
TOTAL CELL. YARN	**1375**	**1302**	**1442**	**1614**									**5733**	**3500**
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	0	126									385	189
CANADA	777	981	724	948									3430	2559
JAPAN	143	75	128	108									454	203
MEXICO	310	0	109	123									542	0
UNITED KINGDOM	105	39	80	69									293	663
ALL OTHER COUNTRIES[b]	11	0	485	10									506	1806
TOTAL CELL. STAPLE+TOW	**1605**	**1095**	**1526**	**1384**									**5610**	**5420**
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2									49	30
AUSTRIA	113	7	115	4									239	407
BELGIUM	1152	1901	531	297									3881	2127
BRAZIL	1	56	0	0									57	117
CANADA	1282	338	857	1384									3861	3702
COSTA RICA	480	430	349	608									1867	30
FRANCE	405	689	679	249									2022	1757
GERMANY, FED. REP. OF	1195	1199	1397	774									4565	7370
ISRAEL	413	277	316	226									1232	632
ITALY	790	529	1158	895									3372	3622
JAPAN	646	553	1019	693									2911	2725
MEXICO	128	917	1223	931									3199	2701
NETHERLANDS	74	213	29	6									322	185
SOUTH AFRICA	853	866	532	631									2882	3099
SWITZERLAND	74	74	1	2									151	107
TAIWAN	36	39	47	144									266	50
UNITED KINGDOM	573	510	352	307									1742	2585
YUGOSLAVIA	85	0	0	0									85	914
ALL OTHER COUNTRIES[c]	47	218	192	215									672	501
TOTAL N.C. YARN	**8347**	**8832**	**8828**	**7368**									**33375**	**32661**
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39									139	291
BRAZIL	35	60	22	0									117	1628
CANADA	2650	1831	1430	1882									7793	7376
COSTA RICA	31	44	0	0									75	863
FRANCE	996	984	984	761									3725	3496
GERMANY, FED. REP. OF	3105	2727	2552	2994									11378	6752
ISRAEL	42	81	48	80									251	133
ITALY	1237	1748	1504	1525									6014	3867
JAPAN	1919	1523	2265	1431									7138	5950
MEXICO	1025	1105	1011	1249									4390	2661
NETHERLANDS	20	0	+	43									63	197
REP. OF KOREA	492	355	551	88									1486	1300
ROMANIA	210	88	158	0									456	302
SOUTH AFRICA	80	88	0	25									193	205
SWITZERLAND	137	0	23	48									208	246
TAIWAN	2105	1587	2111	1961									7764	5314
UNITED KINGDOM	1819	2340	2151	2271									8581	3753
ALL OTHER COUNTRIES[d]	116	330	216	222									884	378
TOTAL N.C. STAPLE+TOW	**16044**	**14909**	**15083**	**14619**									**60655**	**44712**

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

[a] Australia 18, Austria 30, Belgium 238, China, PRC 2, France 47, Ireland 175, Israel 28, Italy 5, Taiwan 25, Thailand 17, United Kingdom 72, Yugoslavia 50

[b] Australia 217, Germany, Federal Rep. of 4, Hong Kong 6, Sweden 278, Taiwan 1.

[c] Chile 44, Denmark 31, Greece +, Hong Kong +, Hungary 48, India +, Ireland 88, Korea, Rep. of 116, Romania 135, Singapore 31, Somalia 36, Spain +, Sweden 143.

[d] Australia 94, Austria 58, China, PRC 117, Denmark 59, Greece 12, Hong Kong 11, Ireland 82, Kenya 31, Malaysia 96, Philippines 1, Sweden 57, Switzerland +, Thailand 138, Turkey 51, Yugoslavia 77.

TABLE 13:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0									87	79
OTHER	310.0130 & .0230[a]	1309	1180	1318	1488									5295	3279
MONOFILAMENTS	309.0310 & .0610	0	5	6	0									11	18
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126									340	124
SUBTOTAL ABOVE		**1375**	**1302**	**1442**	**1614**									**5733**	**3500**
STAPLE	309.4320 & .4325	1465	1056	1396	1298									5215	5015
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86									395	405
SUBTOTAL ABOVE		**1605**	**1095**	**1526**	**1384**									**5610**	**5420**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	+	0	+	**33**									**33**	**210**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139									687	7927
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918									5036	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209									4498	5435
- OTHER	310.0114 & .0214	1640	2607	1276	1088									6611	4292
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321									5990	7438
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911									7530	5683
- OTHER	310.0170 & .0270[b]	483	225	438	400									1546	744
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218									1016	801
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164									461	341
SUBTOTAL ABOVE		**8347**	**8832**	**8828**	**7368**									**33375**	**32661**
STAPLE - NYLON	309.4338	3716	4331	3835	4107									15989	10937
- POLYESTER	309.4342	2725	3058	3474	2831									12088	8046
- ACRYLIC	309.4345	1473	822	887	1202									4384	4521
- OLEFIN	309.4346	623	222	149	28									1022	832
- OTHER	309.4355	2666	1949	1613	1881									8109	7374
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153									13202	8757
POLYESTER	309.3040 & .3340	147	150	204	84									585	1165
ACRYLIC	309.3050 & .3350	972	670	1616	1048									4306	2461
OTHER	309.3065 & .3365	341	203	141	285									970	619
SUBTOTAL ABOVE		**16044**	**14909**	**15083**	**14619**									**60655**	**44712**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439									7598	12939
- POLYESTER	309.6630	560	403	465	827									2255	3216
- ACRYLIC	309.6645	0	0	6	0									6	30
- OTHER	309.6660	892	813	256	748									2709	415
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0									59	93
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456									1509	1244
SUBTOTAL ABOVE		**3381**	**3871**	**3414**	**3470**									**14136**	**17937**
TOTAL MAN-MADE ABOVE		**30752**	**30009**	**30293**	**28488**									**119542**	**104440**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	30	0	0									30	1
- NONCELLULOSIC	310.1015[d] & .1109[e]	1309	1305	586	1260									4460	2759
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	11	+	+									13	89
- NONCELLULOSIC	310.1050 & .1070[g]	33	59	49	63									204	1578
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182									669	455
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597									12918	9825
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278									2718	1854
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387									1640	2485
SLIVER, TOPS & ROVING	309.9000	282	239	493	226									1240	987
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221									10096	10953
GRAND TOTAL ABOVE		**37875**	**38884**	**39069**	**37702**									**153530**	**135426**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800, & .9900.

TABLE 14:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR-TO-DATE 1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310 0006	0	3	5	22									30	38
OTHER[b]	310 0026	483	499	712	729									2423	2664
MONOFILAMENTS	309 0110	18	3	22	8									51	60
STRIPS	309 2210	0	0	1	1									2	7
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**									**2506**	**2769**
STAPLE+TOW-RAYON	309 4222	2262	2482	5331	790									10865	13212
STAPLE-ACETATE	309 4219	175	102	162	223									662	418
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**									**11527**	**13630**
WASTE, ADVANCED & NOT ADVANCED	309 7400	**68**	**233**	**157**	**303**									**761**	**465**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310 0008 & 0009	1373	2025	2135	1843									7376	9481
- HIGH TENACITY[c]	310 0027	5757	6837	5805	5895									24294	22747
- OTHER	310 0029	638	1276	1238	867									4019	3663
POLYESTER-TEXTURED	310 0010	7485	8451	9794	5928									31658	32717
- HIGH TENACITY[c]	310 0032	1952	1435	1252	2765									7404	3247
- OTHER[e]	310 0034	735	128	90	189									1142	3277
OTHER - TEXTURED	310 0014	8990	916	1023	1116									12045	2262
- OLEFIN	309 0040	67	951	84	119									1221	136
- OTHER	310 0044	212	600	479	524									1815	2447
MONOFILAMENTS, ALL DENIERS															
NYLON	309 0120	376	287	312	533									1508	751
POLYESTER[e]	309 0140	663	503	340	535									2041	2043
OTHER	309 0170	283	450	537	418									1688	4299
STRIPS	309 2220 & 2270	320	283	194	221									1018	1428
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20853**									**97229**	**88498**
STAPLE - NYLON	309 4240	1111	1230	1074	1054									4469	3703
- POLYESTER	309 4242	8164	8395	6714	6651									29924	68220
- ACRYLIC	309 4245	8607	7909	4248	4524									25288	57113
- OLEFIN	309 4246	1844	1327	1269	1105									5545	2362
- OTHER	309 4247	1124	2228	1796	1208									6356	3295
GROUPED FILAMENTS															
NYLON	309 3220	238	350	176	336									1100	499
POLYESTER[e]	309 3240	1997	2797	1950	1832									8576	9364
ACRYLIC	309 3250 & 3255	2090	2775	3435	1893									10193	10163
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**									**91451**	**154719**
WASTE, ADVANCED & NOT ADVANCED															
- NYLON	309 7620	299	806	408	628									2141	1033
- POLYESTER	309 7630	3848	5678	4934	7109									21569	11727
- ACRYLIC	309 7640	569	624	1080	228									2501	1460
- OTHER	309 7660	3831	4801	3139	3779									15550	3423
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**									**41761**	**17643**
TOTAL MAN-MADE FIBER ABOVE		**65579**	**66384**	**59896**	**53376**									**245235**	**277724**
TEXTILE GLASS FIBER	309 2700 & 9700	4355	4551	5042	4580									18528	23514
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**	**57956**									**263763**	**301238**

SOURCE: U.S. Census Bureau Report EM522

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 15:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1986												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**	**18.9**								**91.6**	**89.3**
NYLON[e] - INDUSTRIAL[f]	26.3	29.5	28.8	29.1	27.6								141.3	152.5
- CARPET	69.6	71.1	71.1	75.7	71.2								358.7	310.4
- TEXTILE[k]	30.9	31.1	31.7	32.1	30.6								156.4	153.0
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4								132.8	128.0
- LOW DENIER INDUSTRIAL[g]	1.9	2.3	2.4	2.0	2.2								10.8	8.6
- TEXTILE	75.2	75.7	67.4	66.3	70.4								355.0	405.9
OLEFIN[h]	75.1	84.2	84.4	83.9	85.0								412.6	391.4
TOTAL NONCELLULOSIC ABOVE[i]	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**								**1567.6**	**1549.8**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**	**34.9**								**165.5**	**142.2**
NYLON[e]	70.7	64.1	64.3	67.1	71.9								338.1	335.2
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4								261.3	275.9
POLYESTER	179.9	171.2	173.7	180.8	183.9								889.5	868.5
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3								135.6	118.7
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**								**1624.5**	**1598.3**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.0**	**12.2**	**13.3**	**12.1**	**12.2**								**12.2**	**19.2**
NYLON[e] - INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2								27.2	27.5
- CARPET	55.4	51.8	56.2	52.5	59.0								59.0	51.9
- TEXTILE[k]	49.0	46.1	46.2	44.7	45.8								45.8	52.4
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9								28.9	26.2
- LOW DENIER INDUSTRIAL[g]	3.3	3.3	3.5	3.6	3.4								3.4	3.8
- TEXTILE	81.4	87.0	93.1	92.9	88.5								88.5	71.2
OLEFIN[h]	66.7	69.4	67.1	69.5	66.4								66.4	63.3
TOTAL NONCELLULOSIC ABOVE[i]	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**								**319.2**	**296.3**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**	**18.4**								**18.4**	**29.5**
NYLON[e]	63.0	70.4	84.1	89.1	88.0								88.0	70.2
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4								53.4	75.7
POLYESTER	147.9	147.3	151.0	148.6	150.4								150.4	187.7
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7								29.7	24.3
TOTAL NONCELLULOSIC ABOVE	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**								**321.5**	**357.9**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1										38.9	18.9
CARPET CLASS WOOL	1.0	0.8	0.9										2.7	2.3
TOTAL RAW WOOL	13.6	14.0	14.0										41.6	21.2
RAW COTTON	269.5	263.3	264.2	266.3									1063.3	878.2

a. Year-to-date totals except for stock, which is the latest month's data.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic plus export shipments.
d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.
e. Data for nylon exclude aramid.
f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.
h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
i. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.
j. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.
k. Low denier industrial Nylon is now included with Textile.

TABLE 16:
FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
ITEM		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(C) CELLULOSIC YARN[j]				(N) NYLON *			(P) POLYESTER			(O) OLEFIN			
HOSIERY[b]	N	92.3	104.3	101.5	98.1	25.2	25.0	24.8	23.1	26.5			
OTHER CIRCULAR KNIT[c]	N	25.7	24.5	17.6	12.9	3.1	3.2	3.0	3.6	4.3			
	P	228.4	293.7	174.7	182.0	33.1	46.9	58.6	43.4	36.1			
	C	1.6	2.1	2.3	2.6	0.4	0.4	1.1	0.7	0.6			
FLAT KNIT	C	71.7	79.1	67.2	53.0	15.5	15.4	11.7	10.4	11.4			
	N	130.8	162.2	135.2	143.6	36.0	33.4	35.9	38.3	36.8			
	P	87.0	116.6	137.3	160.8	37.1	39.5	38.9	45.3	40.6			
CARPET FACE	N	559.5	734.6	770.2	815.4	163.9	207.5	223.6	220.4	207.0			
	O	90.0	147.2	154.1	202.1	44.8	51.2	53.9	52.2	49.7			
CARPET BACKING[d]	O	184.7	198.8	227.8	354.6	83.8	93.4	91.0	86.4	89.1			
OTHER BROAD WOVEN[e]	C	88.8	113.6	108.8	111.3	22.7	26.7	28.9	33.0	31.9			
	N	82.2	83.6	90.7	71.4	16.9	16.3	17.7	20.5	20.2			
	P	367.0	489.9	392.2	400.4	96.1	107.2	102.5	94.6	90.3			
	O	172.5	201.1	190.3	225.7	54.6	60.1	55.6	55.4	61.4			
NARROW WOVEN[f]	C	2.9	1.7	0.7	1.5	0.2	0.3	0.4	0.6	0.9			
	N	30.2	35.3	39.9	31.1	7.8	7.7	8.3	7.3	8.0			
	P	28.1	35.5	38.7	38.4	9.6	9.5	10.2	9.1	11.5			
	O	12.1	15.0	14.9	15.2	3.8	4.0	3.9	3.5	4.5			
TIRES, INCL. CHAFER[b]	N	147.9	145.5	172.9	146.0	42.7	36.4	32.3	34.6	35.8			
	P	168.9	174.1	174.4	155.5	44.5	40.2	34.2	36.6	44.7			
OTHER RUBBER INDUSTRY[g][b]	N	17.3	16.3	20.9	15.3	4.6	3.7	3.5	3.5	4.2			
	P	26.7	27.8	32.7	32.2	7.2	8.2	8.3	8.5	2.9			
ROPE, CORDAGE & FISHLINE	N	29.1	31.7	35.0	35.3	8.6	8.6	8.7	9.4	9.6			
	P	14.4	12.2	15.7	13.8	3.1	3.7	3.9	3.1	3.4			
	O	84.8	95.5	106.9	108.2	28.8	29.8	23.2	26.4	27.0			
ALL OTHER[h]	C	4.0	1.1	1.1	18.7	5.6	5.2	4.5	3.4	3.8			
	N	50.6	54.4	54.2	48.3	14.9	11.2	11.1	11.1	11.0			
	P	214.3	144.6	179.2	221.1	59.4	56.4	52.6	52.7	55.3			
	O	32.9	41.0	31.6	31.8	7.8	7.5	6.8	9.7	9.6			
TOTAL ABOVE	C	**169.0**	**197.5**	**180.1**	**187.1**	**44.4**	**48.0**	**46.6**	**48.1**	**48.6**			
	N	**1165.6**	**1392.4**	**1438.1**	**1417.4**	**323.7**	**353.0**	**368.9**	**371.8**	**363.4**			
	P	**1134.8**	**1294.4**	**1144.9**	**1204.2**	**290.1**	**311.6**	**309.2**	**293.3**	**284.8**			
	O	**577.0**	**698.6**	**725.6**	**937.6**	**223.6**	**246.0**	**234.4**	**233.6**	**241.3**			
TOTAL DOMESTIC		**3046.4**	**3582.8**	**3488.7**	**3746.3**	**881.8**	**958.6**	**959.1**	**946.8**	**938.1**			
ALSO DIVIDED AS													
APPAREL		1128.2	1257.5	1072.1	1065.0	254.9	275.9	279.3	254.9	247.4			
HOME FURNISHINGS		1016.6	1328.7	1354.2	1626.1	351.4	414.7	430.1	429.9	405.5			
INDUSTRIAL		901.6	996.8	1062.4	1055.2	275.5	268.0	249.7	262.0	285.2			
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		122.3	127.1	118.7	114.9	28.4	28.7	29.0	28.8	29.7			
POLYESTER		737.9	832.4	675.5	778.3	181.0	204.5	206.0	184.8	168.9			
OLEFIN		26.8	28.0	23.3	22.3	5.2	5.9	5.2	6.0	4.3			

NA - Not Available.

*. Includes Aramid in 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester and cellulosic yarn are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports.

i. These poundages are included in the Total Domestic area above.

j. Data prior to 1985: acetate yarn only. Data for 1985 and 1986: acetate and rayon yarn.

k. Cellulosic yarn poundages included in All Other.

TABLE 17:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
		1982	1983	1984	1985	1st Q	2nd Q	3rd Q	4th Q	1st Q	2nd Q	3rd Q	4th Q
(R) RAYON	*(N) NYLON* *		*(A) ACRYLIC+MODACRYLIC*				*(P) POLYESTER*			*(O) OLEFIN*			
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	230.5	237.3	204.8	197.2	48.8	48.9	49.0	50.5	57.2			
	NPR	8.8	9.5	6.6	5.5	1.7	1.1	1.3	1.4	1.4			
PILE FABRICS[b]	A	36.4	33.0	30.0	24.5	6.6	7.1	6.3	4.5	6.0			
	P	15.6	18.2	18.4	14.9	3.9	4.1	3.7	3.2	4.1			
OTHER CIRCULAR+FLAT KNIT[c]	R	5.7	3.5	4.3	5.5	0.7	1.3	2.2	1.3	1.1			
	A	112.6	129.5	118.5	139.1	27.3	38.3	37.6	35.9	38			
	P	288.8	354.4	283.0	295.5	67.7	76.7	74.0	77.1	87.9			
BLANKETS[b]	A	23.7	27.1	25.2	30.2	6.1	7.4	8.8	7.9	6.6			
	P	12.0	10.5	5.5	6.2	0.9	1.9	2.2	1.2	0.8			
OTHER BROAD WOVEN	R	146.6	182.1	177.7	174.9	39.0	39.4	44.6	51.9	53.9			
	N	56.4	59.0	42.5	37.4	11.4	8.2	8.8	9.0	10.0			
	A	25.7	32.5	29.5	38.2	8.8	9.6	9.2	10.6	9.8			
	P	889.0	1062.9	1039.1	864.9	214.1	208.3	212.4	230.1	226.8			
	O	16.1	19.4	22.1	26.9	6.4	6.9	6.0	7.6	1.0			
CARPET FACE YARNS	R	0.1	0.2	0.3	0.5	0.1	0.1	0.1	0.2	0.1			
	N	594.4	815.2	751.0	773.9	176.5	190.0	199.4	208.0	180.1			
	A	Included in All Other											
	P	114.7	139.0	131.4	126.8	30.7	33.9	30.3	31.9	31.3			
	O	76.8	93.6	96.5	107.4	25.2	30.6	27.7	23.9	25.4			
FIBERFILL[d]	P	228.4	275.4	276.1	281.1	72.6	65.0	68.6	74.9	71.6			
FLOCK	NP	10.2	10.6	9.2	5.3	1.4	1.2	1.3	1.4	1.6			
	R	3.1	3.2	2.7	1.8	0.6	0.4	0.6	0.2	0.6			
NONWOVENS[e,f]	R	111.9	119.0	126.3	113.5	27.6	28.9	29.0	28.0	31.7			
	N	3.8	4.9	2.8	2.5	0.7	0.7	0.5	0.6	0.5			
	P	155.2	177.4	177.2	162.5	44.0	39.2	39.5	39.8	46.5			
	VINYON+O	39.0	61.5	119.2	135.8	34.0	32.0	34.7	35.1	42.3			
ALL OTHER	R	24.3	23.8	18.8	25.9	5.5	6.1	6.0	8.3	3.7			
	N	7.7	5.2	9.4	11.2	-2.8	2.6	2.9	2.9	2.9			
	A	29.0	32.8	38.7	29.5	7.7	8.4	7.7	5.7	4.8			
	P	57.8	55.8	56.2	116.9	21.0	30.4	30.8	34.7	29.3			
	VINYON+O	7.0	8.9	3.1	9.6	1.6	2.4	2.4	3.2	5.2			
TOTAL ABOVE	**R**	**293.7**	**333.5**	**331.9**	**323.7**	**73.8**	**76.6**	**82.9**	**90.4**	**91.6**			
	N	**673.3**	**897.1**	**814.4**	**830.3**	**192.8**	**202.7**	**212.9**	**221.9**	**195.2**			
	A	**457.9**	**492.2**	**446.7**	**458.7**	**105.3**	**119.7**	**118.6**	**115.1**	**123.1**			
	P	**1767.5**	**2099.2**	**1992.2**	**1872.7**	**456.3**	**460.2**	**462.4**	**493.8**	**499.1**			
	VINYON+O	**138.9**	**183.4**	**240.9**	**279.7**	**67.2**	**71.9**	**70.8**	**69.8**	**73.9**			
TOTAL DOMESTIC		**3331.3**	**4005.4**	**3826.1**	**3765.1**	**895.4**	**931.1**	**947.6**	**991.0**	**982.9**			
ALSO DIVIDED AS													
APPAREL		1321.7	1461.3	1277.1	1255.0	289.0	316.4	314.0	335.6	363.6			
HOME FURNISHINGS		1266.4	1630.0	1559.0	1536.9	365.7	380.0	385.2	406.0	371.0			
INDUSTRIAL		743.2	914.1	992.1	973.2	240.7	234.7	248.4	249.4	248.3			

* 1982 poundages include Aramid.

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

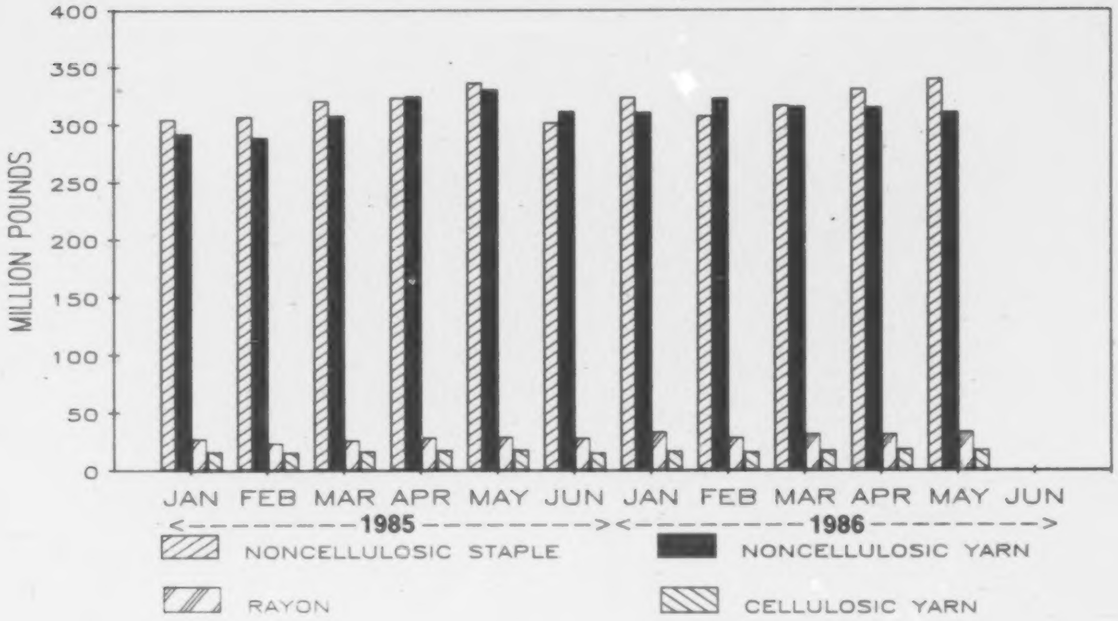
d. Rayon, acrylic and nylon poundages are included in All Other.

e. Wet & dry laid and needled batts only.

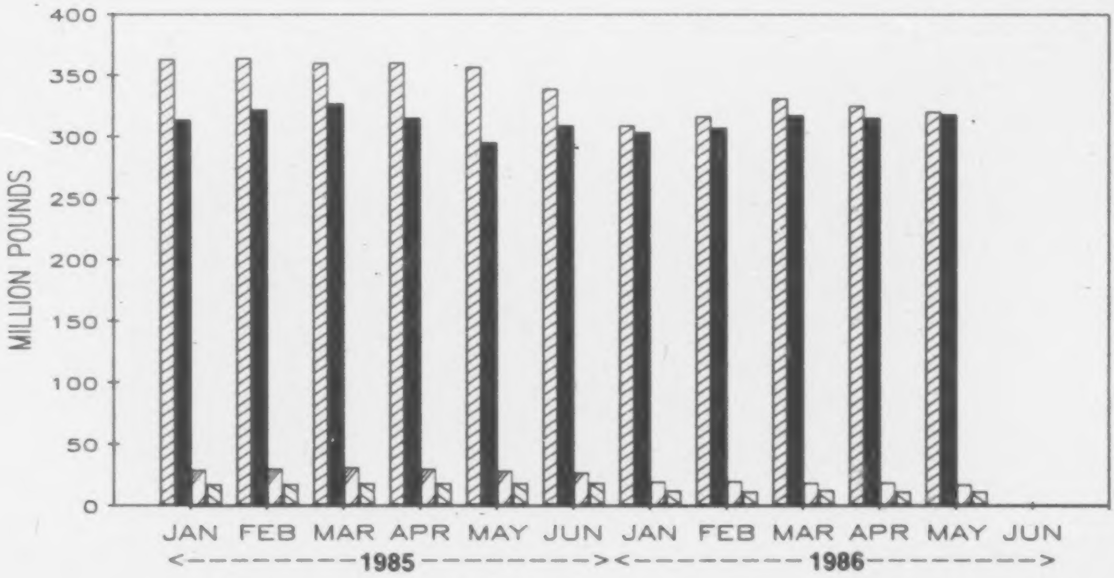
f. Acrylic poundages are included in All Other.

GRAPH 3:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

TOTAL SHIPMENTS



END-OF-MONTH STOCK



C8850-1

TEXTILE ORGANON

Volume 57, No. 7 ☐ July 1986

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

***Textile Organon** Features:*

World Man-Made Fiber Survey in Millions of Pounds . . . begins on page 156.

World Production of Man-Made Fiber Rises to 34,201 Million Pounds . . . see page 156.

World Production of Cotton Increases to 38,669 Million Pounds . . . see page 156.

World Production of Wool Falls to 3,695 Million Pounds . . . see page 156.

In June, shipments of noncellulosic yarn+monofilaments fell to the lowest level since July 1985, while shipments of noncellulosic staple+tow reached their lowest level since February of this year.

- ***Polyester textile yarn*** shipments dropped to the lowest level since July 1984.
- ***Polyester staple+tow*** deliveries declined to the lowest level since July 1985.
- ***Acrylic staple+tow*** shipments reached their lowest level since February of this year.
- ***Cellulosic yarn*** shipments fell to the lowest level since February of this year.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS

MILLION POUNDS & *PERCENT*

ITEM	1986 JUN	1986 MAY	%[a]	1985 JUN	%[b]	YEAR TO DATE 1986	YEAR TO DATE 1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**17.2**	**18.9**	**-9.0**	**16.4**	**+4.9**	**108.8**	**105.7**	**+2.9**
NYLON[d] - INDUSTRIAL	26.7	27.6	-3.3	24.0	+11.3	168.0	176.5	-4.8
- CARPET	74.8	71.2	+5.1	69.9	+7.0	433.5	380.3	+14.0
- TEXTILE[e]	29.2	30.6	-4.6	25.4	+15.0	185.6	178.4	+4.0
POLYESTER - INDUSTRIAL	24.1	24.4	-1.2	21.6	+11.6	156.9	149.6	+4.9
- LOW DENIER INDUSTRIAL	2.0	2.2	-9.1	2.0	--	12.8	10.6	+20.8
- TEXTILE	58.7	70.4	-16.6	83.9	-30.0	413.7	489.8	-15.5
OLEFIN	87.3	85.0	+2.7	85.6	+2.0	499.9	477.0	+4.8
TOTAL NONCELLULOSIC ABOVE	**302.8**	**311.4**	**-2.8**	**312.4**	**-3.1**	**1870.4**	**1862.2**	**+0.4**
STAPLE +TOW+FIBERFILL								
RAYON	**31.3**	**34.9**	**-10.3**	**29.6**	**+5.7**	**196.8**	**171.8**	**+14.6**
NYLON[d]	67.1	71.9	-6.7	66.7	+0.6	405.2	401.9	+0.8
ACRYLIC+MODACRYLIC	51.8	55.4	-6.5	50.5	+2.6	313.1	326.4	-4.1
POLYESTER	160.2	183.9	-12.9	162.2	-1.2	1049.7	1030.7	+1.8
OLEFIN+VINYON	29.9	29.3	+2.0	23.4	+27.8	165.5	142.1	+16.5
TOTAL NONCELLULOSIC ABOVE	**309.0**	**340.5**	**-9.3**	**302.8**	**+2.0**	**1933.5**	**1901.1**	**+1.7**

-- Means no change.

[a] Percent change from previous month to current month.

[b] Percent change to current month from same month last year.

[c] Percent change from cumulative total last year to cumulative total this year.

[d] Nylon excludes Aramid.

[e] Low denier industrial Nylon is included with Textile.

Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

JULY 1986

CONTENTS

Features

World Man-Made Fiber Survey (Million Pounds) **156-172**
World Production of Certain Fibers 156
Noncellulosic Fiber Production & Producing Capacity by Fiber 157
Noncellulosic Fiber Production & Producing Capacity by Country 158-161
Cellulosic Fiber Production & Producing Capacity by Country 162-165
Rayon vs. Acetate Filament Yarn Production & Producing Capacity 166-167
Glass Fiber Production & Producing Capacity 168
Cigarette Tow Production 168
Acetate Staple Production & Producing Capacity 168
Olefin Fiber Production by Country 168
Graph 1: Percent Share of Noncellulosic Fiber Production & Producing Capacity 169
Graph 2: Noncellulosic Fiber Production & Producing Capacity 170
1979-1985 World Noncellulosic Production & Producing Capacity 170
Graph 3: Noncellulosic Fiber Production by Area 171
Graph 4: Noncellulosic Fiber Capacity by Area 171
Graph 5: Cellulosic Fiber Production & Producing Capacity 172

Industry Regulars

Total Man-Made Fiber Shipments 153

Datagram **155**

Trade Barometer **173**
Graph 6: Imports vs. Exports of Man-Made Fiber 173
Graph 7: Man-Made Fiber Monthly Trade Balance 174
Man-Made Fiber Monthly Trade Balance Detail 174

Monthly U.S. Man-Made Fiber Data **175-180**
Imports for Consumption (1985 Revised) 175
Imports for Consumption 176
Exports by Fiber 177
Imports by Country of Origin 178

Selected U.S. Monthly Textile Fiber Data **179,180**
Selected U.S. Monthly Textile Fiber Data Detail 179
Graph 8: Selected U.S. Monthly Textile Fiber Data 180

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

ISSN 0040-5132

Copyright © 1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single issues:		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

WORLD SHARE OF NONCELLULOSIC PRODUCTION AND CAPACITY INCREASES IN OTHER A., A. & O

During 1979 to 1985, the world production of noncellulosic fibers increased by 18%, from the 23,371 million pounds produced in 1979 to 27,589 million pounds in 1985.

The world capacity utilization rate for noncellulosic yarn and staple+tow reached 81% in1985, compared to 1979, when capacity utilization rate peaked at 84%.

Since 1979, Other A., A. & O. (Africa, Asia and Oceania) has gained an increasing share of the world totals for production and producing capacity of noncellulosic fibers.

In terms of production, the A., A. & O. share of the world total rose from 14.7% in 1979 to 26.7% in 1985. The A., A. & O. share of the world capacity total increased from 13.5% in 1979 to 26.2% in 1985.

Major growth areas in production, from 1979-1985, are noted in the following countries:

- China, PRC increased by 361%.
- India - grew by 203%.
- Indonesia - expanded by102%

WESTERN EUROPE AND THE UNITED STATES CONTINUE TO LOSE WORLD SHARE OF PRODUCTION AND CAPACITY

From 1979-1985, West Europe and the United States continue to lose percent-share of world totals.

The West European noncellulosic fiber production declined from a 22.5% share in 1979 to 20.4% in 1985, and capacity fell from a world share of 26.4% in 1979 to 19.3% in 1985.

Production in the United States of noncellulosic fibers decreased from a world share of almost 33% in 1979 to 23% in 1985, while capacity dropped from a 31.1% share in 1979 to 23.5% in 1985.

The world cellulosic fiber production has decreased by 11% during 1979-1985, whereas producing capacity declined by 4%.

From 1979-1985, West Europe and the United States lost percent-share of the world totals for production and producing capacity of cellulosic fibers. In 1979, the production in Western Europe amounted to 24.6% of total world production compared to 18.7% in 1985, and capacity fell from 25.6% in 1979 to 18.7% in 1985.

The U.S. share of total cellulosic world production decreased from 12.5% in 1979 to 8.4% in 1985, whereas capacity declined from a world share of 12.7% in 1979 to 9.5 % in 1985.

WORLD MAN-MADE FIBER SURVEY

Featured in this issue (pages156-172) is our annual survey of the world man-made fiber industry. The data presented here in ***million pounds*** represents a conversion of the tables in thousand metric tons found in the June ***Organon*** (Tables 1 - 10).

Historical world data for most of the tables contained here can be found in the January 1962 ***Textile Organon Base Book*** and in the June 1966, 1970 and July 1979-1985 issues of the ***Organon***.

Once again we would like to acknowledge the more than 170 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles and Apparel, Domestic and International Business Administrations and the U.S. Department of Commerce without whose help and cooperation this annual world man-made fiber survey would not have been possible.

TABLE 2:
WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS

MILLION POUNDS & *PERCENT*

TYPE OF FIBER	1979	1980	1981	1982	1983	1984	1985
CELLULOSIC FIBERS (from page 165)							
YARN+MONOFILAMENTS	2594	2560	2435	2256	2293	2268	2259
STAPLE+TOW	4839	4588	4629	4237	4385	4553	4353
TOTAL CELLULOSIC	**7433**	**7148**	**7064**	**6493**	**6678**	**6821**	**6612**
NONCELLULOSIC FIBERS except Olefin (from page 161)							
YARN+MONOFILAMENTS	10778	10432	10602	9875	10695	11487	12182
STAPLE+TOW	12593	12663	13267	12496	13821	14744	15406
TOTAL NONCELL. ABOVE	**23371**	**23095**	**23869**	**22371**	**24516**	**26231**	**27588**
TOTAL MAN-MADE ABOVE	**30804**	**30243**	**30933**	**28864**	**31194**	**33052**	**34200**
% of World Total	*54*	*47*	*45*	*45*	*47*	*42*	*45*
NATURAL FIBERS							
RAW COTTON	23104	30845	33722	32273	31343	42020	38669
RAW WOOL	3474	3543	3585	3591	3618	3708	3695
RAW SILK	121	123	126	121	121	121	123
TOTAL NATURAL ABOVE	**26699**	**34511**	**37433**	**35985**	**35082**	**45849**	**42487**
% of World Total	*46*	*53*	*55*	*55*	*53*	*58*	*55*
WORLD TOTAL ABOVE	**57503**	**64754**	**68366**	**64849**	**66276**	**78901**	**76687**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 161 and 165, as noted. Textile glass fiber and olefin production are not included.

COTTON: International Cotton Advisory Committee. Also see December 1985 *Organon*.

WOOL: Commonwealth Secretariat & The Wool Bureau, Inc. The data are on a scoured basis. Also see December 1985 *Organon*.

SILK: International Silk Association; Food and Agriculture Organization of the United Nations.

TABLE 3:
WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN

MILLION POUNDS

FIBER & AREA	ACTUAL PRODUCTION																					PRODUCING CAPACITY					
	1979			1980			1981			1982			1983			1984			1985			1986			1987		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																											
WEST EUROPE	+	1753	1753	+	1625	1625	+	1779	1779	0	1598	1598	0	1839	1839	2	1907	1909	2	2033	2035	2	2251	2253	2	2251	2253
EAST EUROPE	0	470	470	0	478	478	0	465	465	0	470	470	0	489	489	0	511	511	0	560	560	0	754	754	0	833	833
U.S.A.	0	761	761	0	783	783	0	690	690	0	624	624	0	670	670	0	670	670	0	631	631	0	582	582	0	613	613
OTHER AMERICAS	0	238	238	0	251	251	0	234	234	0	267	267	0	287	287	0	309	309	0	315	315	0	437	437	0	470	470
JAPAN	9	782	791	7	771	778	2	765	767	7	758	765	4	783	787	4	809	813	4	838	842	13	937	950	13	937	950
OTHER A., A. & O.	0	549	549	0	626	626	0	672	672	0	813	813	0	838	838	0	877	877	0	933	933	0	1281	1281	0	1281	1231
TOTAL	9	4553	4562	7	4534	4541	2	4605	4607	7	4530	4537	4	4906	4910	6	5083	5089	6	5310	5316	15	6242	6257	15	6385	6400
NYLON+ARAMID [a]																											
WEST EUROPE	1259	326	1585	1149	282	1431	1149	284	1433	1025	235	1260	1071	258	1329	1092	291	1383	1151	313	1464	1413	419	1832	1413	419	1832
EAST EUROPE	913	68	981	1016	121	1137	1001	174	1175	1007	182	1189	1069	192	1261	1129	205	1334	1165	209	1374	1407	241	1648	1420	240	1660
U.S.A.	1781	939	2720	1631	728	2359	1581	752	2333	1241	686	1927	1492	926	2418	1578	836	2414	1515	826	2341	1777	1071	2848	1836	1118	2954
OTHER AMERICAS	452	51	503	459	51	510	399	44	443	401	46	447	397	49	446	462	49	511	494	35	529	769	91	860	772	93	865
JAPAN	653	38	691	661	40	701	622	42	664	582	42	624	597	40	637	635	42	677	642	53	695	721	64	785	719	64	783
OTHER A., A. & O.	732	7	739	805	4	809	866	7	873	836	11	847	879	12	891	996	13	1009	1069	15	1084	1493	29	1522	1649	28	1677
TOTAL	5790	1429	7219	5721	1226	6947	5618	1303	6921	5092	1202	6294	5505	1477	6982	5892	1436	7328	6036	1451	7487	7580	1915	9495	7809	1962	9771
POLYESTER																											
WEST EUROPE	897	981	1878	791	898	1689	833	990	1823	866	944	1810	853	1001	1854	959	1074	2033	1002	1090	2092	1224	1324	2548	1224	1323	2547
EAST EUROPE	260	679	939	298	708	1006	291	736	1027	335	765	1100	377	823	1200	427	860	1287	452	941	1393	710	1391	2101	712	1425	2137
U.S.A.	1717	2463	4180	1462	2526	3988	1570	2606	4176	1213	1955	3168	1360	2185	3545	1199	2191	3390	1321	2022	3343	1468	2669	4137	1422	2720	4142
OTHER AMERICAS	472	361	833	491	366	857	463	359	822	410	348	758	446	414	860	496	489	985	501	503	1004	783	635	1418	783	633	1416
JAPAN	692	701	1393	672	708	1380	683	700	1391	691	693	1384	685	704	1389	722	706	1428	725	713	1438	964	785	1749	966	785	1751
OTHER A., A. & O.	851	1226	2077	902	1481	2383	1057	1753	2810	1182	1852	3034	1404	2092	3496	1717	2658	4375	2060	3128	5188	2947	4385	7332	3258	4760	8018
TOTAL	4889	5411	11300	4616	6687	11303	4897	7152	12049	4697	6557	11254	5125	7219	12344	5520	7978	13498	6061	8397	14458	8096	11189	19285	8365	11646	20011
OTHER FIBERS [b] ***EXCEPT OLEFIN***																											
WEST EUROPE	11	24	35	13	24	37	13	15	28	13	20	33	13	20	33	13	20	33	13	20	33	18	26	44	18	26	44
EAST EUROPE	11	15	26	+	9	9	2	7	9	2	7	9	+	7	7	2	9	11	2	9	11	2	20	22	2	20	22
U.S.A.	18	2	20	20	+	20	22	2	24	18	2	20	+	+	+	+	+	+	+	+	+	31	0	31	31	0	31
OTHER AMERICAS	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	2	0	2	4	0	4	2	0	2
JAPAN	37	93	130	40	95	135	31	73	104	29	68	97	31	62	93	37	64	101	40	66	106	71	227	298	71	227	298
OTHER A., A. & O.	11	66	77	13	88	101	15	110	125	15	110	125	15	130	145	15	154	169	22	153	175	33	82	115	33	82	115
TOTAL	90	200	290	88	216	304	85	207	292	79	207	286	61	219	280	69	247	316	79	248	327	159	355	514	157	355	512
TOTAL FIBERS ABOVE																											
WEST EUROPE	2167	3084	5251	1953	2829	4782	1995	3068	5063	1904	2797	4701	1937	3118	5055	2066	3292	5358	2168	3456	5624	2657	4020	6677	2657	4019	6676
EAST EUROPE	1184	1232	2416	1314	1316	2630	1294	1382	2676	1344	1424	2768	1446	1511	2957	1558	1585	3143	1619	1719	3338	2119	2406	4525	2134	2518	4652
U.S.A.	3516	4165	7681	3113	4037	7150	3173	4050	7223	2472	3267	5739	2852	3781	6633	2777	3697	6474	2836	3479	6315	3276	4322	7598	3289	4451	7740
OTHER AMERICAS	926	650	1576	952	668	1620	864	637	1501	813	661	1474	845	750	1595	960	847	1807	997	853	1850	1556	1163	2719	1557	1196	2753
JAPAN	1391	1614	3005	1380	1614	2994	1338	1588	2926	1309	1561	2870	1317	1589	2906	1398	1621	3019	1411	1670	3081	1769	2013	3782	1769	2013	3782
OTHER A., A. & O.	1594	1848	3442	1720	2199	3919	1938	2542	4480	2033	2786	4819	2298	3072	5370	2728	3702	6430	3151	4229	7380	4473	5777	10250	4940	6151	11091
WORLD TOTAL	10778	12593	23371	10432	12663	23095	10602	13267	23869	9875	12496	22371	10695	13821	24516	11487	14744	26231	12182	15406	27588	15850	19701	35551	16346	20348	36694

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

The regional totals here are the same as those on pages 158-161.

a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex in 1983 through 1985.

TABLE 4A:
WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN

Million Pounds

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	0	64.6	64.6	0	56.0	56.0	0	41.1	41.1	0	35.7	35.7
Benelux[a]	209.9	89.0	298.9	159.7	71.4	231.1	177.3	55.7	233.0	155.6	42.3	197.9
Eire (Ireland)	23.8	70.5	94.3	22.0	69.9	91.9	33.1	69.0	102.1	27.1	61.7	88.8
Finland	0.9	0	0.9	0.9	0	0.9	1.1	0	1.1	1.1	0	1.1
France	173.5	320.3	493.8	145.0	279.3	424.3	146.5	297.2	443.7	142.9	276.2	419.1
West Germany	745.3	929.3	1674.6	702.5	888.1	1590.6	707.0	951.2	1658.2	703.3	771.6	1474.9
Greece	20.3	20.9	41.2	19.8	22.0	41.8	19.8	19.6	39.4	18.7	20.5	39.2
Italy/Malta	279.1	515.1	794.2	277.6	506.8	784.4	328.6	631.2	959.8	327.8	617.3	945.1
Portugal	3.7	64.5	68.2	3.1	70.7	73.8	2.4	74.8	77.2	2.0	83.8	85.8
Spain	158.2	311.7	469.9	145.3	301.3	446.6	159.5	372.4	531.9	162.3	347.9	510.2
Switzerland	108.4	66.1	174.5	133.8	52.2	186.0	125.9	61.4	187.3	117.7	59.5	177.2
Turkey	66.1	169.8	235.9	63.9	154.3	218.2	71.4	168.1	239.5	99.4	176.8	276.2
United Kingdom	377.9	462.3	840.2	279.8	356.5	636.3	222.5	327.1	549.6	146.6	303.8	450.4
Total Western Europe	**2167.1**	**3084.1**	**5251.2**	**1953.4**	**2828.5**	**4781.9**	**1995.1**	**3068.8**	**5063.9**	**1904.5**	**2797.1**	**4701.6**
EASTERN EUROPE												
Albania	0	0	0	0	0	0	0	0	0	0	0	0
Bulgaria	28.6	77.1	105.7	36.1	81.4	117.5	38.6	86.0	124.6	28.8	83.8	112.6
Czechoslovakia	110.2	48.5	158.7	117.2	49.4	166.6	115.7	82.7	198.4	116.6	79.1	195.7
Germany, D.R.	120.4	171.7	292.1	123.5	179.6	303.1	123.5	172.9	296.4	143.3	173.9	317.2
Hungary	7.0	32.6	39.6	12.8	32.4	45.2	15.4	31.6	47.0	16.8	28.0	44.8
Poland	192.7	145.3	338.0	205.0	150.0	355.0	173.5	88.7	262.2	176.4	117.0	293.4
Romania	77.0	231.5	308.5	70.8	227.1	297.9	87.1	253.4	340.5	90.4	246.8	337.2
U.S.S.R.	601.7	448.5	1050.2	700.0	508.1	1208.1	687.4	576.4	1263.8	711.6	590.6	1302.2
Yugoslavia	46.2	77.1	123.3	48.5	88.2	136.7	52.9	90.5	143.4	59.5	104.7	164.2
Total Eastern Europe	**1183.8**	**1232.3**	**2416.1**	**1313.9**	**1316.2**	**2630.1**	**1294.1**	**1382.2**	**2676.3**	**1343.4**	**1423.9**	**2767.3**
TOTAL EUROPE	**3350.9**	**4316.4**	**7667.3**	**3267.3**	**4144.7**	**7412.0**	**3289.2**	**4451.0**	**7740.2**	**3247.9**	**4221.0**	**7468.9**

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	39.7	39.7	0	39.9	39.9	0	39.9	39.9	0	46.3	46.3	0	46.3	46.3
136.5	47.0	183.5	144.4	50.7	195.1	156.5	63.9	220.4	203.9	130.1	334.0	203.9	130.1	334.0
24.3	70.5	94.8	25.4	82.7	108.1	25.4	97.0	122.4	26.5	117.9	144.4	26.5	117.9	144.4
1.1	0	1.1	1.1	0	1.1	1.1	0	1.1	1.3	0	1.3	1.3	0	1.3
139.3	297.8	437.1	132.7	294.5	427.2	133.8	273.4	407.2	189.6	293.2	482.8	189.6	293.2	482.8
747.8	866.4	1614.2	776.0	835.5	1611.5	793.7	886.2	1679.9	901.7	961.2	1862.9	901.7	961.2	1862.9
19.8	22.0	41.8	19.8	22.0	41.8	19.8	22.0	41.8	39.0	26.5	65.5	39.0	26.5	65.5
314.2	689.2	1003.4	339.5	816.6	1156.1	374.8	855.4	1230.2	418.2	912.7	1330.9	418.2	912.7	1330.9
2.2	86.0	88.2	2.2	92.6	94.8	2.2	108.0	110.2	3.3	121.3	124.6	3.3	121.3	124.6
142.4	381.8	524.2	171.1	389.8	560.9	187.4	416.7	604.1	260.1	491.0	751.1	260.1	491.0	751.1
127.9	61.7	189.6	153.7	62.4	216.1	158.7	60.6	219.3	187.4	70.5	257.9	187.4	70.5	257.9
105.8	230.4	336.2	115.7	266.1	381.8	114.6	304.0	418.6	176.4	418.9	595.3	176.4	418.9	595.3
176.4	325.6	502.0	184.1	339.5	523.6	199.5	328.5	528.0	249.1	429.9	679.0	249.1	429.9	679.0
1937.7	**3118.1**	**5055.8**	**2065.7**	**3292.3**	**5358.0**	**2167.5**	**3455.6**	**5623.1**	**2656.5**	**4019.5**	**6676.0**	**2656.5**	**4019.5**	**6676.0**
0	0	0	0	0	0	0	0	0	4.4	6.6	11.0	4.4	11.0	15.4
39.7	92.6	132.3	44.1	96.6	140.7	50.7	103.2	153.9	132.3	154.3	286.6	132.3	167.5	299.8
119 0	79.8	198.8	132.3	89.7	222.0	149.9	91.5	241.4	202.8	191.8	394.6	202.8	191.8	394.6
152.1	180.8	332.9	151.0	189.6	340.6	152.1	202.8	354.9	180.8	240.3	421.1	196.2	240.3	436.5
16.8	29.1	45.9	17.6	29.8	47.4	18.1	38.4	56.5	26.5	50.7	77.2	26.5	50.7	77.2
194.9	160.1	355.0	201.5	165.3	366.8	205.9	170.9	376.8	269.0	176.4	445.4	269.0	185.2	454.2
99.2	248.0	347.2	116.8	256.8	373.6	132.3	276.7	409.0	172.0	374.8	546.8	172.0	374.8	546.8
760.6	610.7	1371.3	821.9	642.6	1464.5	832.9	692.2	1525.1	996.5	996.5	1993.0	996.5	1075.8	2072.3
63.9	110.2	174.1	72.8	114.6	187.4	77.2	143.3	220.5	134.5	214.9	349.4	134.5	220.5	355.0
1446.2	**1511.3**	**2957.5**	**1558.0**	**1585.0**	**3143.0**	**1619.1**	**1719.0**	**3338.1**	**2118.8**	**2406.3**	**4525.1**	**2134.2**	**2517.6**	**4651.8**
3383.9	4629.4	8013.3	3623.7	4877.3	8501.0	3786.6	5174.6	8961.2	4775.3	6425.8	11201.1	4790.7	6537.1	11327.8

TABLE 4B:
WORLD NONCELLULOSIC PRODUCTION & PRODUCING CAPACITY BY COUNTRY OF ORIGIN

Million Pounds

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	3516.3	4164.5	7680.8	3113.0	4036.6	7149.6	3172.5	4049.8	7222.3	2472.0	3267.2	5739.2
OTHER AMERICAS												
Argentina	65.2	49.7	114.9	47.1	28.5	75.6	35.1	18.3	53.4	39.9	26.2	66.1
Bolivia	0	0	0	0	0	0	0	0	0	2.2	0	2.2
Brazil	270.0	201.4	471.4	300.8	209.5	510.3	253.3	191.4	444.7	255.7	181.0	436.7
Canada	161.1	106.8	267.9	163.2	105.9	269.1	145.1	88.2	233.3	114.6	99.2	213.8
Chile	11.0	5.2	16.2	11.1	5.6	16.7	11.0	5.5	16.5	10.1	1.8	11.9
Colombia	63.2	17.5	80.7	62.3	24.0	86.3	72.1	24.7	96.8	68.3	19.4	87.7
Costa Rica	4.4	0	4.4	6.7	0	6.7	6.8	0	6.8	7.3	0	7.3
Ecuador	7.5	0	7.5	7.8	0	7.8	7.5	0	7.5	11.7	0	11.7
Guatemala	+	0	+	0	0	0	0	0	0	0	0	0
Mexico	300.0	205.0	505.0	302.2	225.8	528.0	293.0	244.7	537.7	258.2	254.4	512.6
Peru	15.3	46.2	61.5	23.2	49.7	72.9	22.1	46.5	68.6	24.7	64.8	89.5
Uruguay	2.4	5.3	7.7	2.4	5.7	8.1	1.9	4.6	6.5	2.0	6.0	8.0
Venezuela	25.8	13.3	39.1	25.5	13.2	38.7	16.3	13.2	29.5	18.1	7.9	26.0
TOTAL OTHER AMERICAS	925.9	650.4	1576.3	952.3	667.9	1620.2	864.2	637.1	1501.3	812.8	660.7	1473.5
JAPAN	1391.2	1613.9	3005.1	1380.1	1613.8	2993.9	1338.2	1587.4	2925.6	1309.1	1561.3	2870.4
OTHER AFRICA, ASIA & OCEANIA												
Australia/N.Z.	36.2	1.1	37.3	26.4	+	26.4	22.0	0	22.0	32.0	1.1	33.1
Bangladesh	0.4	0	0.4	0.7	0	0.7	0.4	0	0.4	0.4	0	0.4
China, P.R.O.	79.4	282.3	361.7	94.8	452.0	546.8	121.4	643.6	765.0	134.5	712.1	846.6
Egypt	3.3	0.9	4.2	4.0	11.2	15.2	4.4	11.0	15.4	7.3	38.8	46.1
India	78.7	61.3	140.0	87.6	67.9	155.5	112.4	87.7	200.1	136.7	97.4	234.1
Indonesia	50.0	110.9	160.9	91.6	118.9	210.5	102.5	121.4	223.9	148.1	127.9	276.0
Iran	11.0	0	11.0	13.3	0	13.3	22.0	22.0	44.0	25.4	44.1	69.5
Israel	21.7	14.1	35.8	23.2	14.6	37.8	23.1	15.0	38.1	19.8	15.4	35.2
Kenya	+	0	+	2.3	0	2.3	2.2	0	2.2	4.0	0	4.0
Korea, Rep. of	522.8	529.3	1052.1	562.7	619.9	1182.6	627.1	719.5	1346.6	664.4	685.9	1350.3
Malaysia	0	77.1	77.1	0	79.5	79.5	0	77.2	77.2	0	70.5	70.5
Nigeria	6.6	8.8	15.4	5.6	5.6	11.2	5.9	8.8	14.7	2.6	2.4	5.0
Pakistan	4.4	0	4.4	3.4	0	3.4	3.3	0	3.3	11.2	26.5	37.7
Philippines	55.0	25.6	80.6	66.2	30.9	97.1	70.5	30.9	101.4	63.9	33.1	97.0
South Africa	71.0	43.0	114.0	73.9	44.2	118.1	71.9	44.1	116.0	77.2	52.9	130.1
Sri Lanka	0	0	0	0	0	0	1.8	0	1.8	2.2	0	2.2
Taiwan	566.0	583.1	1149.1	583.4	646.4	1229.8	657.6	636.7	1294.3	619.0	771.8	1390.8
Tanzania	0	0	0	0	0	0	0	0	0	2.2	0	2.2
Thailand	87.5	110.0	197.5	80.6	109.1	189.7	89.3	124.1	213.4	81.8	105.8	187.6
TOTAL OTHER A., A. & O.	1594.0	1847.5	3441.5	1719.7	2200.2	3919.9	1937.8	2542.0	4479.8	2032.7	2785.7	4818.4
WORLD TOTAL	10778.3	12592.7	23371.0	10432.2	12663.2	23095.4	10601.9	13267.3	23869.2	9875.5	12495.9	22371.4

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
2851.7	**3780.9**	**6632.6**	**2777.4**	**3697.3**	**6474.7**	**2835.8**	**3478.6**	**6314.4**	**3276.0**	**4321.9**	**7597.9**	**3289.0**	**4451.1**	**7740.1**
53.4	35.3	88.7	56.2	47.2	103.4	59.7	37.0	96.7	136.2	66.1	202.3	136.2	66.1	202.3
4.4	0	4.4	0	0	0	0	0	0	11.0	0	11.0	11.0	0	11.0
233.0	175.5	408.5	260.6	215.2	475.8	268.3	222.2	490.5	365.1	275.6	640.7	365.1	275.6	640.7
130.7	116.8	247.5	153.4	130.1	283.5	165.6	119.9	285.5	264.6	169.8	434.4	264.6	169.8	434.4
5.7	2.2	7.9	6.2	2.4	8.6	7.3	4.4	11.7	23.6	17.6	41.2	23.6	17.6	41.2
69.0	19.6	88.6	85.1	23.6	108.7	84.4	26.5	110.9	158.7	33.1	191.8	158.7	33.1	191.8
7.7	0	7.7	7.7	0	7.7	7.7	0	7.7	17.6	0	17.6	17.6	0	17.6
10.1	0	10.1	10.6	0	10.6	10.8	0	10.8	15.4	0	15.4	15.4	0	15.4
0	0	0	0	0	0	0	0	0	4.4	0	4.4	4.4	0	4.4
278.4	315.0	593.4	325.0	333.8	658.8	335.5	348.5	684.0	461.2	468.7	929.9	461.2	501.8	963.0
27.6	68.3	95.9	28.7	75.2	103.9	29.3	72.8	102.1	41.9	94.8	136.7	41.9	94.8	136.7
3.5	8.2	11.7	3.5	7.5	11.0	4.6	8.8	13.4	5.5	12.1	17.6	6.6	12.1	18.7
21.4	8.8	30.2	22.5	12.1	34.6	24.0	13.2	37.2	50.7	25.4	76.1	50.7	25.4	76.1
844.9	**749.7**	**1594.6**	**959.5**	**847.1**	**1806.6**	**997.2**	**853.3**	**1850.5**	**1555.9**	**1163.2**	**2719.1**	**1557.0**	**1196.3**	**2753.3**
1316.8	**1589.3**	**2906.1**	**1397.7**	**1621.0**	**3018.7**	**1411.4**	**1669.5**	**3080.9**	**1769.2**	**2012.8**	**3782.0**	**1769.2**	**2012.8**	**3782.0**
32.0	2.2	34.2	28.7	2.2	30.9	29.8	2.2	32.0	56.2	3.3	59.5	56.2	3.3	59.5
0.4	11.0	11.4	0.7	22.0	22.7	0.9	0	0.9	2.0	39.7	41.7	2.0	39.7	41.7
145.5	757.1	902.6	227.3	1097.9	1325.2	275.6	1391.1	1666.7	421.1	1642.4	2063.5	465.2	1862.9	2328.1
7.7	45.4	53.1	12.1	56.4	68.5	12.3	60.8	73.1	19.8	111.6	131.4	25.6	112.4	138.0
192.2	89.9	282.1	234.3	123.5	357.8	281.1	144.2	425.3	438.7	573.2	1011.9	438.7	573.2	1011.9
146.4	136.2	282.6	157.6	161.6	319.2	169.5	155.0	324.5	249.1	246.9	496.0	282.2	246.9	529.1
33.1	59.5	92.6	29.8	52.9	82.7	29.8	68.3	98.1	95.9	86.0	181.9	95.9	86.0	181.9
19.2	15.4	34.6	20.9	15.4	36.3	23.1	16.1	39.2	39.7	17.4	57.1	39.7	17.4	57.1
8.4	0	8.4	9.9	2.2	12.1	11.2	2.2	13.4	37.5	11.9	49.4	37.5	11.9	49.4
741.8	722.2	1464.0	814.8	830.9	1645.7	901.0	888.2	1789.2	948.9	939.2	1888.1	984.1	939.2	1923.3
0	77.2	77.2	0	78.3	78.3	0	85.5	85.5	0	92.6	92.6	0	92.6	92.6
5.5	5.5	11.0	6.6	6.6	13.2	7.1	6.6	13.7	13.2	11.0	24.2	13.2	11.0	24.2
17.9	41.0	58.9	26.5	47.8	74.3	34.4	50.7	85.1	94.8	52.9	147.7	94.8	92.6	187.4
54.0	35.3	89.3	45.2	35.3	80.5	48.5	36.4	84.9	77.2	50.7	127.9	83.8	50.7	134.5
83.8	50.7	134.5	102.5	65.5	168.0	112.4	70.1	182.5	143.3	70.5	213.8	149.9	70.5	220.4
2.2	0	2.2	2.2	0	2.2	2.6	0	2.6	6.6	0	6.6	6.6	0	6.6
713.0	912.7	1625.7	921.3	987.7	1909.0	1123.2	1131.8	2255.0	1646.8	1677.7	3324.5	1986.3	1790.6	3776.9
6.6	0	6.6	6.6	0	6.6	6.6	0	6.6	15.4	0	15.4	15.4	0	15.4
88.2	110.2	198.4	81.6	115.5	197.1	81.8	121.3	203.1	167.1	149.9	317.0	163.1	149.9	313.0
2297.9	**3071.5**	**5369.4**	**2728.6**	**3701.7**	**6430.3**	**3150.9**	**4230.5**	**7381.4**	**4473.3**	**5776.9**	**10250.2**	**4940.2**	**6150.8**	**11091.0**
10695.2	**13820.8**	**24516.0**	**11486.9**	**14744.4**	**26231.3**	**12181.9**	**15406.5**	**27588.4**	**15849.7**	**19700.6**	**35550.3**	**16346.1**	**20348.1**	**36694.2**

TABLE 5A:
WORLD CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN

Million Pounds

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE												
Austria	26.5	217.8	244.3	33.7	221.8	255.5	34.4	237.9	272.3	30.4	222.2	252.6
Belgium/Netherlands	79.6	59.3	138.9	82.4	48.5	130.9	84.4	32.2	116.6	81.8	19.6	101.4
Finland	2.6	105.8	108.4	1.3	104.1	105.4	0	102.7	102.7	0	117.1	117.1
France	40.8	129.9	170.7	36.2	109.3	145.5	24.3	94.6	118.9	18.9	81.3	100.2
West Germany	128.1	110.2	238.3	143.7	101.4	245.1	143.3	110.2	253.5	135.6	110.2	245.8
Greece	15.9	0	15.9	15.9	0	15.9	15.9	0	15.9	15.9	0	15.9
Italy/Malta	84.7	86.0	170.7	80.7	60.6	141.3	77.4	53.8	131.2	69.7	31.3	101.0
Norway	0	64.6	64.6	0	62.6	62.6	0	62.6	62.6	0	44.1	44.1
Portugal	5.5	3.7	9.2	6.0	1.5	7.5	6.4	0.7	7.1	2.0	0	2.0
Spain	27.8	99.9	127.7	28.2	88.4	116.6	27.8	83.3	111.1	24.9	70.1	95.0
Sweden	0	81.3	81.3	0	76.9	76.9	0	76.5	76.5	0	83.8	83.8
Switzerland	7.3	0	7.3	4.0	0	4.0	+	0	+	0	0	0
Turkey	0.7	13.2	13.9	0.7	11.0	11.7	0.7	11.0	11.7	0.7	6.6	7.3
United Kingdom	130.5	306.9	437.4	80.9	241.0	321.9	59.5	225.7	285.2	52.9	196.6	249.5
Total Western Europe	**550.0**	**1278.6**	**1828.6**	**513.7**	**1127.1**	**1640.8**	**474.1**	**1091.2**	**1565.3**	**432.8**	**982.9**	**1415.7**
EASTERN EUROPE												
Bulgaria	7.1	66.1	73.2	7.3	72.7	80.0	9.5	76.5	86.0	8.8	75.0	83.8
Czechoslovakia	48.5	79.4	127.9	43.7	76.9	120.6	40.1	79.4	119.5	43.2	78.3	121.5
Germany, D.R.	77.2	286.6	363.8	80.5	291.0	371.5	81.6	291.0	372.6	75.0	281.7	356.7
Hungary	0	19.0	19.0	0	19.8	19.8	0	16.5	16.5	0	16.7	16.7
Poland	60.0	124.8	184.8	56.0	134.5	190.5	43.0	97.9	140.9	42.5	99.4	141.9
Romania	21.4	121.2	142.6	20.9	119.0	139.9	21.2	121.2	142.4	18.1	110.2	128.3
U.S.S.R.	657.0	742.9	1399.9	672.4	760.6	1433.0	661.4	761.7	1423.1	649.0	750.7	1399.7
Yugoslavia	34.2	127.9	162.1	33.1	127.9	161.0	33.1	127.9	161.0	28.7	121.2	149.9
Total Eastern Europe	**905.4**	**1567.9**	**2473.3**	**913.9**	**1602.4**	**2516.3**	**889.9**	**1572.1**	**2462.0**	**865.3**	**1533.2**	**2398.5**
TOTAL EUROPE	**1455.4**	**2846.5**	**4301.9**	**1427.6**	**2729.5**	**4157.1**	**1364.0**	**2663.3**	**4027.3**	**1298.1**	**2516.1**	**3814.2**

Y means yarn+monofilaments.

S means staple+tow+fiberfill.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided as between rayon and acetate yarn, is given on pages 166-167. Also note page 168 for data on production of acetate staple and cigarette tow.

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
25.1	241.8	266.9	32.6	240.3	272.9	32.8	240.3	273.1	35.3	249.1	284.4	35.3	249.1	284.4
90.6	13.4	104.0	90.6	0	90.6	92.6	0	92.6	99.6	0	99.6	99.6	0	99.6
0	127.0	127.0	0	127.9	127.9	0	132.3	132.3	0	143.3	143.3	0	149.9	149.9
18.5	65.0	83.5	16.5	41.9	58.4	15.4	33.1	48.5	22.0	44.1	66.1	22.0	44.1	66.1
130.1	121.3	251.4	134.5	121.3	255.8	141.1	121.3	262.4	152.1	127.9	280.0	152.1	127.9	280.0
13.9	0	13.9	13.2	0	13.2	15.4	0	15.4	17.6	0	17.6	17.6	0	17.6
64.6	0	64.6	67.5	0	67.5	66.6	0	66.6	86.0	0	86.0	86.0	0	86.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0	0	2.0	2.2	0	2.2	2.2	0	2.2	4.4	0	4.4	4.4	0	4.4
23.1	47.4	70.5	15.9	57.5	73.4	16.5	66.1	82.6	37.7	70.5	108.2	37.7	70.5	108.2
0	86.6	86.6	0	88.4	88.4	0	72.8	72.8	0	99.2	99.2	0	99.2	99.2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.7	8.8	9.5	0.7	9.9	10.6	0.7	11.0	11.7	1.1	17.6	18.7	1.1	17.6	18.7
55.1	254.0	309.1	46.3	234.1	280.4	41.9	132.7	174.6	55.1	177.5	232.6	55.1	177.5	232.6
423.7	965.3	1389.0	420.0	921.3	1341.3	425.2	809.6	1234.8	510.9	929.2	1440.1	510.9	935.8	1446.7
9.0	77.2	86.2	9.0	81.8	90.8	9.0	82.9	91.9	11.0	92.6	103.6	11.0	92.6	103.6
44.3	83.6	127.9	45.2	85.1	130.3	46.1	87.3	133.4	55.1	134.5	189.6	55.1	134.5	189.6
77.2	286.8	364.0	77.6	297.6	375.2	78.0	310.8	388.8	86.0	366.0	452.0	86.0	366.0	452.0
0	14.1	14.1	0	15.4	15.4	0	15.4	15.4	0	22.0	22.0	0	22.0	22.0
40.1	112.9	153.0	43.0	123.5	166.5	45.2	132.3	177.5	69.4	157.6	227.0	70.5	157..6	228.1
18.7	112.4	131.1	18.7	112.4	131.1	19.4	116.8	136.2	22.0	352.7	374.7	22.0	352.7	374.7
661.4	760.6	1422.0	676.8	760.6	1437.4	687.8	771.6	1459.4	749.6	778.2	1527.8	749.6	778.2	1527.8
30.9	127.9	158.8	30.9	121.3	152.2	32.8	121.3	154.1	37.5	132.3	169.8	37.5	132.3	169.8
881.6	1575.5	2457.1	901.2	1597.7	2498.9	918.3	1638.4	2556.7	1030.6	2035.9	3066.5	1031.7	2035.9	3067.6
1305.3	2540.8	3846.1	1321.2	2519.0	3840.2	1343.5	2448.0	3791.5	1541.5	2965.1	4506.6	1542.6	2971.7	4514.3

TABLE 5B:
WORLD CELLULOSIC PRODUCTION & PRODUCING CAPACITY BY COUNTRY OF ORIGIN

Million Pounds

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**373.5**	**556.4**	**929.9**	**355.6**	**450.4**	**806.0**	**305.6**	**464.5**	**770.1**	**228.4**	**354.9**	**583.3**
OTHER AMERICAS												
Argentina	11.2	10.4	21.6	4.4	3.3	7.7	2.2	0	2.2	3.5	0	3.5
Brazil	53.8	56.2	110.0	57.3	55.8	113.1	46.3	55.8	102.1	45.9	53.4	99.3
Canada	31.1	69.0	100.1	30.9	66.1	97.0	29.8	62.2	92.0	20.9	61.7	82.6
Chile	2.2	6.6	8.8	2.2	6.6	8.8	2.2	6.6	8.8	2.2	7.0	9.2
Colombia	7.5	0	7.5	5.3	0	5.3	4.0	0	4.0	3.9	0	3.9
Cuba	5.3	8.4	13.7	4.8	8.4	13.2	4.8	8.4	13.2	4.6	7.9	12.5
Mexico	37.7	22.7	60.4	37.0	24.2	61.2	36.6	24.9	61.5	31.1	11.9	43.0
Peru	2.9	0	2.9	3.3	0	3.3	2.9	0	2.9	2.2	0	2.2
Uruguay	3.1	0	3.1	2.9	0	2.9	2.2	0	2.2	1.3	0	1.3
Venezuela	6.6	0	6.6	6.2	0	6.2	6.2	0	6.2	2.6	0	2.6
TOTAL OTHER AMERICAS	**161.4**	**173.3**	**334.7**	**154.3**	**164.4**	**318.7**	**137.2**	**157.9**	**295.1**	**118.2**	**141.9**	**260.1**
JAPAN	**252.0**	**640.2**	**892.2**	**263.0**	**612.9**	**875.9**	**261.7**	**602.9**	**864.6**	**265.6**	**570.5**	**836.1**
OTHER AFRICA, ASIA & OCEANIA												
Bangladesh	9.0	0	9.0	7.7	0	7.7	6.6	0	6.6	5.5	0	5.5
China, P.R.O.	149.9	187.4	337.3	165.3	209.4	374.7	176.4	231.5	407.9	176.4	231.5	407.9
Egypt	12.8	9.3	22.1	13.2	8.8	22.0	13.2	8.8	22.0	15.4	9.9	25.3
India	133.4	203.3	336.7	127.2	164.7	291.9	123.2	208.3	331.5	107.1	116.4	223.5
Indonesia	0	0	0	0	0	0	0	0	0	0	39.9	39.9
Iraq	6.4	11.9	18.3	6.6	12.1	18.7	6.6	12.1	18.7	6.6	12.1	18.7
Korea, Rep. of	29.1	22.9	52.0	27.3	33.1	60.4	28.2	30.6	58.8	21.8	12.8	34.6
Pakistan	4.4	0	4.4	5.9	0	5.9	5.3	0	5.3	5.5	0	5.5
Taiwan	6.6	154.3	160.9	6.6	166.0	172.6	6.6	213.2	219.8	7.3	197.3	204.6
Thailand	0	33.3	33.3	0	36.2	36.2	0	36.1	36.1	0	34.2	34.2
TOTAL OTHER A., A. & O.	**351.6**	**622.4**	**974.0**	**359.8**	**630.3**	**990.1**	**366.1**	**740.6**	**1106.7**	**345.6**	**654.1**	**999.7**
WORLD TOTAL	**2593.9**	**4838.8**	**7432.7**	**2560.3**	**4587.5**	**7147.8**	**2434.6**	**4629.2**	**7063.8**	**2255.9**	**4237.5**	**6493.4**

ACTUAL PRODUCTION									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
263.9	**376.1**	**640.0**	**239.0**	**388.9**	**627.9**	**205.0**	**353.0**	**558.0**	***244.0***	***465.0***	***709.0***	***244.0***	***465.0***	***709.0***
3.7	0	3.7	4.0	3.3	7.3	3.3	3.3	6.6	*19.8*	*22.0*	*41.8*	*19.8*	*22.0*	*41.8*
40.6	48.5	89.1	39.0	63.9	102.9	44.3	58.4	102.7	*48.9*	*68.8*	*117.7*	*48.9*	*68.8*	*117.7*
22.0	66.1	88.1	22.0	74.7	96.7	17.6	59.3	76.9	*32.0*	*83.8*	*115.8*	*32.0*	*83.8*	*115.8*
2.2	7.1	9.3	2.6	8.2	10.8	2.9	8.4	11.3	*3.3*	*11.9*	*15.2*	*3.3*	*11.9*	*15.2*
4.0	0	4.0	4.0	0	4.0	4.0	0	4.0	*7.7*	*0*	*7.7*	*7.7*	*0*	*7.7*
4.4	7.7	12.1	4.4	7.7	12.1	4.6	7.7	12.3	*6.6*	*11.0*	*17.6*	*6.6*	*11.0*	*17.6*
23.8	11.0	34.8	25.6	8.8	34.4	26.9	0	26.9	*29.8*	*0*	*29.8*	*30.2*	*0*	*30.2*
2.2	0	2.2	3.7	0	3.7	3.7	0	3.7	*3.7*	*0*	*3.7*	*3.7*	*0*	*3.7*
2.2	0	2.2	2.2	0	2.2	2.2	0	2.2	*2.2*	*0*	*2.2*	*2.2*	*0*	*2.2*
3.3	0	3.3	4.2	0	4.2	4.6	0	4.6	*5.3*	*0*	*5.3*	*5.3*	*0*	*5.3*
108.4	**140.4**	**248.8**	**111.7**	**166.6**	**278.3**	**114.1**	**137.1**	**251.2**	***159.3***	***197.5***	***356.8***	***159.7***	***197.5***	***357.2***
257.5	**597.4**	**854.9**	**244.3**	**587.7**	**832.0**	**230.6**	**539.9**	**770.5**	***300.7***	***693.1***	***393.8***	***300.7***	***693.1***	***993.8***
5.5	2.2	7.7	5.5	2.2	7.7	6.0	2.2	8.2	*14.3*	*11.0*	*25.3*	*14.3*	*11.0*	*25.3*
187.4	220.5	407.9	191.8	238.1	429.9	191.8	246.9	438.7	*220.5*	*253.5*	*474.0*	*220.5*	*253.5*	*474.0*
15.4	10.1	25.5	15.4	10.1	25.5	15.4	10.4	25.8	*15.4*	*11.9*	*27.3*	*15.4*	*11.9*	*27.3*
101.9	154.1	256.0	91.9	220.7	312.6	103.4	209.4	312.8	*154.3*	*284.0*	*438.3*	*154.3*	*284.0*	*438.3*
0	75.2	75.2	0	91.0	91.0	0	88.2	88.2	*0*	*103.6*	*103.6*	*0*	*103.6*	*103.6*
6.6	12.1	18.7	6.6	12.1	18.7	6.6	12.1	18.7	*7.7*	*14.3*	*22.0*	*7.7*	*14.3*	*22.0*
28.4	0	28.4	28.2	0	28.2	30.4	0	30.4	*31.3*	*61.9*	*93.2*	*31.3*	*61.9*	*93.2*
6.0	0	6.0	6.8	0	6.8	7.1	0	7.1	*7.3*	*0*	*7.3*	*7.3*	*0*	*7.3*
6.6	217.2	223.8	5.5	276.7	282.2	5.5	263.4	268.9	*9.5*	*286.6*	*296.1*	*9.5*	*286.6*	*296.1*
0	38.6	38.6	0	39.7	39.7	0	41.9	41.9	*0*	*40.1*	*40.1*	*0*	*45.9*	*45.9*
357.8	**730.0**	**1087.8**	**351.7**	**890.6**	**1242.3**	**366.2**	**874.5**	**1240.7**	***460.3***	***1066.9***	***1527.2***	***460.3***	***1072.7***	***1533.0***
2292.9	**4384.7**	**6677.6**	**2267.9**	**4552.8**	**6820.7**	**2259.4**	**4352.5**	**6611.9**	***2705.8***	***5387.6***	***8093.4***	***2707.3***	***5400.0***	***8107.3***

TABLE 6:
RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY

Million Pounds

COUNTRY	ACTUAL PRODUCTION											
	1979			1980			1981			1982		
	H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE												
Austria	18	9	0	25	9	0	25	9	0	20	11	0
Belgium/Netherlands	30	34	15	35	35	13	35	36	13	33	35	13
France	21	20	0	15	20	0	4	20	0	0	20	0
West Germany[c]	72	51	4	88	54	2	86	55	2	88	46	+
Italy[c]	24	20	41	24	11	45	23	11	42	20	7	42
Spain	11	11	7	13	10	7	11	11	7	9	9	7
United Kingdom	25	22	82	2	4	76	0	0	60	0	0	53
Other[a]	0	33	0	0	26	0	0	24	0	0	20	0
Total Western Europe	**201**	**200**	**149**	**202**	**169**	**143**	**184**	**166**	**124**	**170**	**148**	**115**
EASTERN EUROPE												
Bulgaria	0	7	0	0	7	0	0	9	0	0	9	0
Czechoslovakia	22	26	0	20	24	0	18	22	0	18	26	0
Germany, D.R.	29	48	0	30	51	0	31	51	0	29	46	0
Poland	16	44	0	15	41	0	10	33	0	9	33	0
Romania	13	8	0	13	8	0	13	8	0	11	7	0
U.S.S.R.[c]	360	177	121	364	187	121	364	177	121	353	176	119
Yugoslavia	15	19	0	15	18	0	15	18	0	13	15	0
Total Eastern Europe	**455**	**329**	**121**	**457**	**336**	**121**	**451**	**318**	**121**	**433**	**312**	**119**
U.S.A.[c]	**42**	**15**	**316**	**31**	**15**	**310**	**33**	**15**	**258**	**20**	**13**	**194**
OTHER AMERICAS												
Argentina	3	6	2	2	2	+	0	+	2	0	0	4
Brazil	16	31	7	13	36	9	10	29	7	9	33	4
Canada	0	0	31	0	0	31	0	0	30	0	0	22
Chile	0	2	0	0	2	0	0	2	0	0	2	0
Colombia	0	0	7	0	0	5	0	0	4	0	0	4
Cuba	5	+	0	5	+	0	5	+	0	4	+	0
Mexico	7	13	18	7	13	17	7	13	17	7	11	13
Peru	0	+	3	0	+	3	0	+	3	0	0	2
Uruguay	0	0	3	0	0	3	0	0	2	0	0	2
Venezuela	0	0	7	0	0	6	0	0	6	0	0	2
Total Other Americas	**31**	**52**	**78**	**27**	**53**	**74**	**22**	**44**	**71**	**20**	**46**	**53**
JAPAN[c]	**7**	**177**	**68**	**7**	**185**	**71**	**9**	**182**	**71**	**9**	**183**	**75**
OTHER AFRICA, ASIA & OCEANIA												
India	36	93	4	31	92	4	31	88	4	24	79	4
Pakistan	0	0	4	0	0	6	0	0	5	0	0	4
Rep. of Korea	0	25	4	0	22	4	0	24	4	0	18	4
Other[b]	0	187	0	0	199	0	0	209	0	0	214	0
Total A., A. & O.	**36**	**305**	**12**	**31**	**313**	**14**	**31**	**321**	**13**	**24**	**311**	**12**
TOTAL EUROPE	**772**	**1078**	**744**	**755**	**1071**	**733**	**730**	**1046**	**658**	**676**	**1013**	**568**

H means high tenacity (tire & industrial type) viscose rayon yarn.

R means regular + intermediate tenacity viscose rayon yarn.

C means cuprammonium rayon yarn.

A means acetate + triacetate yarn.

a. Comprises Finland, Greece, Portugal, Switzerland and Turkey.

b. Comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

c. Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.

									PRODUCING CAPACITY					
1983			1984			1985			1986			1987		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
18	9	0	22	11	0	22	11	0	24	11	0	24	11	0
40	37	15	40	35	15	40	37	15	42	40	18	42	40	18
0	18	0	0	15	0	0	15	0	0	22	0	0	22	0
86	44	0	88	46	0	88	53	0	95	57	0	95	57	0
20	4	40	24	4	40	22	4	40	26	15	44	26	15	44
7	9	7	+	9	7	+	9	7	18	11	9	18	11	9
0	0	55	0	0	46	0	0	42	0	0	55	0	0	55
0	18	0	0	15	0	0	18	0	0	24	0	0	24	0
171	139	117	174	135	108	172	147	104	205	180	126	205	180	126
0	9	0	0	9	0	0	9	0	0	11	0	0	11	0
18	26	0	18	26	0	18	29	0	24	31	0	24	31	0
31	49	0	31	49	0	31	49	0	33	53	0	33	53	0
9	31	0	11	33	0	11	35	0	20	51	0	20	51	0
11	7	0	11	7	0	11	9	0	13	9	0	13	9	0
357	183	121	364	187	126	366	192	130	375	220	154	375	220	154
15	15	0	15	15	0	18	15	0	18	20	0	18	20	0
441	320	121	450	326	126	455	338	130	483	395	154	483	395	154
24	13	227	29	13	198	20	13	172	46	18	181	46	18	181
0	0	4	0	0	4	0	0	4	0	13	7	0	13	7
7	31	2	9	26	4	9	33	2	11	35	2	11	35	2
0	0	22	0	0	22	0	0	18	0	0	31	0	0	31
0	2	0	0	2	0	0	2	0	0	2	0	0	2	0
0	0	4	0	0	4	0	0	4	0	0	9	0	0	9
4	+	0	4	0	0	4	0	0	7	0	0	7	0	0
7	4	13	4	7	13	7	7	13	7	9	15	7	9	15
0	0	2	0	0	4	0	0	4	0	0	4	0	0	4
0	0	2	0	0	2	0	0	2	0	0	2	0	0	2
0	0	2	0	0	4	0	0	4	0	0	4	0	0	4
18	37	51	17	35	57	20	42	51	25	59	74	25	59	74
7	181	71	4	172	68	4	163	62	22	203	77	22	203	77
22	77	2	18	73	2	15	88	+	46	101	7	46	101	7
0	0	7	0	0	7	0	0	7	0	0	7	0	0	7
0	24	4	0	24	4	0	26	4	0	26	4	0	26	4
0	220	0	0	225	0	0	225	0	0	267	0	0	267	0
22	321	13	18	322	13	15	339	11	46	394	18	46	394	18
683	1011	600	692	1003	570	686	1042	530	827	1249	630	827	1249	630

TABLE 7: WORLD GLASS FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS

COUNTRY	PRODUCTION							CAPACITY	
	1979	1980	1981	1982	1983	1984	1985	1986	1987
WEST EUROPE EAST EUROPE [a]	683	661	611	551	639	661	705	*827* *110*	*827* *110*
U.S.A.	1014	866	1041	899	1168	1393	1543	*1849*	*1922*
OTHER AMERICAS	62	66	68	77	82	86	113	*132*	*132*
JAPAN	392	368	384	436	454	549	602	*692*	*692*
OTHER A., A. & O.[b]	26	29	31	26	31	31	62	*68*	*66*
TOTAL ABOVE	**2177**	**1990**	**2135**	**1989**	**2374**	**2720**	**3025**	***3678***	***3749***
CHINA, PRC	DATA NOT AVAILABLE			66	66	88	110	*132*	*132*
U.S.S.R.				143	143	165	187	*242*	*242*

Glass fiber is defined on page 116 of the June 1986 issue. The glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1986 (1986) and December 1987 (1987).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

TABLE 8: ESTIMATED WORLD CIGARETTE TOW PRODUCTION

MILLION POUNDS

AREA	1979	1980	1981	1982	1983	1984	1985
EUROPE [a]	163	163	178	178	176	176	183
U.S.A. OTHER AMERICAS[b]	439	485	498	476	465	412	463
ASIA[c]	90	90	93	93	95	104	97
WORLD TOTAL	**692**	**738**	**769**	**747**	**736**	**692**	**743**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom.

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Rep. of Korea

TABLE 9: WORLD ACETATE STAPLE PRODUCTION & CAPACITY

MILLION POUNDS

COUNTRY	PRODUCTION							CAPACITY	
	1979	1980	1981	1982	1983	1984	1985	1986	1987
UNITED KINGDOM	1.1	0.7	0.4	0.4	0.4	0.4	0.4	*1.1*	*1.1*
U.S.A.	7.0	7.0	4.0	1.1	1.3	0.4	0.4	*0.4*	*0.4*
CANADA	0	0	0	0	0	0	0	*0*	*0*
INDIA	0.9	0.2	0.7	0.7	0.4	0.4	+	*1.8*	*1.8*
WORLD TOTAL	**9.0**	**7.9**	**5.1**	**2.2**	**2.1**	**1.2**	**0.8**	***3.3***	***3.3***

TABLE 10: WORLD OLEFIN FIBER PRODUCTION

MILLION POUNDS

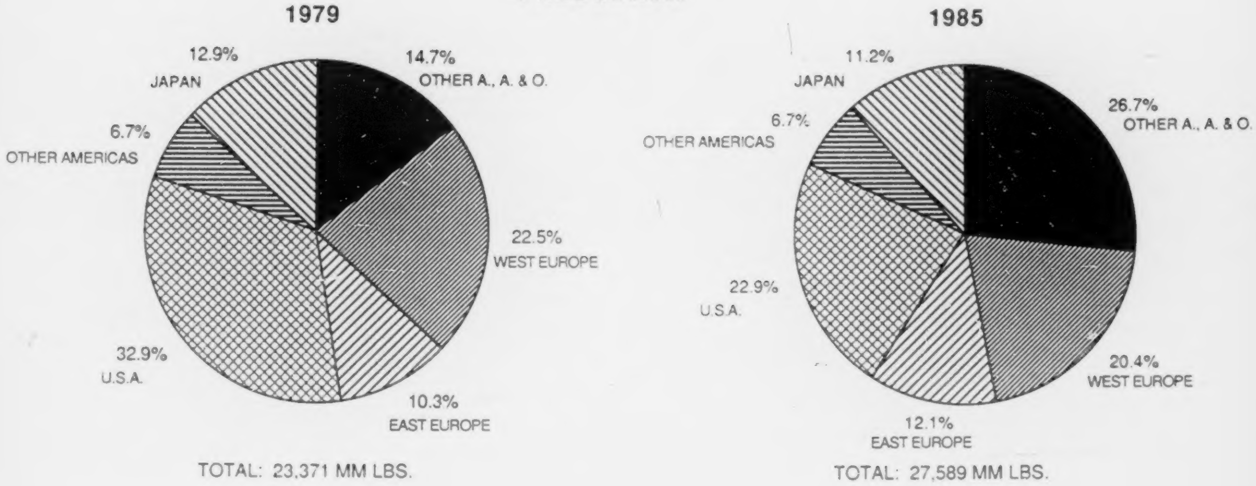
COUNTRY	1979	1980	1981	1982	1983	1984	1985
WEST EUROPE							
BENELUX	123	126	145	161	165	170	172
DENMARK	33	31	31	29	31	31	33
FRANCE	53	59	62	57	64	64	64
GERMANY, F.R.	126	117	123	121	134	134	137
IRELAND (EIRE)	13	20	20	18	20	20	20
ITALY	135	126	137	130	148	156	156
UNITED KINGDOM	181	176	179	167	176	176	179
SUBTOTAL EEC	**664**	**655**	**697**	**683**	**738**	**751**	**761**
AUSTRIA	41	39	37	42	44	46	48
FINLAND	7	7	7	7	9	9	9
GREECE/CYPRUS	22	20	20	20	22	20	20
NORWAY	9	9	9	9	11	9	9
PORTUGAL	84	88	84	84	86	86	88
SPAIN	81	84	84	79	79	82	82
SWEDEN	7	7	7	7	9	9	9
SWITZERLAND	7	7	7	7	9	9	9
TURKEY	11	11	11	11	13	13	13
TOTAL WEST EUROPE	**933**	**927**	**963**	**949**	**1020**	**1034**	**1048**
EAST EUROPE							
CZECHOSLOVAKIA	26	24	24	24	26	26	26
HUNGARY	29	33	35	35	35	35	37
POLAND	29	31	33	26	33	35	35
U.S.S.R.	33	33	33	29	40	44	48
U.S.A.							
YARN+MONOFIL	333	324	320	295	370	386	423
STAPLE	119	115	141	139	190	249	302
FILM FIBER	306	309	326	289	328	340	514
OTHER AMERICAS							
ARGENTINA	24	22	22	24	26	26	29
BRAZIL	86	88	88	86	79	86	86
CANADA	71	66	66	62	70	66	71
CHILE	2	2	2	2	2	2	2
EL SALVADOR GUATEMALA HONDURAS	4	4	4	4	7	7	7
MEXICO	44	48	51	51	57	57	57
NICARAGUA	2	2	2	2	2	2	2
PERU	11	11	13	13	13	13	13
URUGUAY	2	2	4	2	4	4	4
JAPAN							
YARN+MONOFIL	40	35	31	31	31	31	31
STAPLE	64	60	57	62	64	71	77
FILM FIBER	NA	NA	NA	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	44	44	44	42	46	49	51
KOREA, REP. OF	18	9	7	4	2	2	2
PHILIPPINES	4	4	4	7	7	7	7
SOUTH AFRICA	7	7	7	7	11	11	11
TAIWAN	101	110	117	123	132	139	156
OTHER	+	+	+	+	2	2	2

The olefin data shown comprise (a) the tonnages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional tonnages of olefin fiber not included in the aforementioned data. Note text on page 143 of the June ***Organon.***

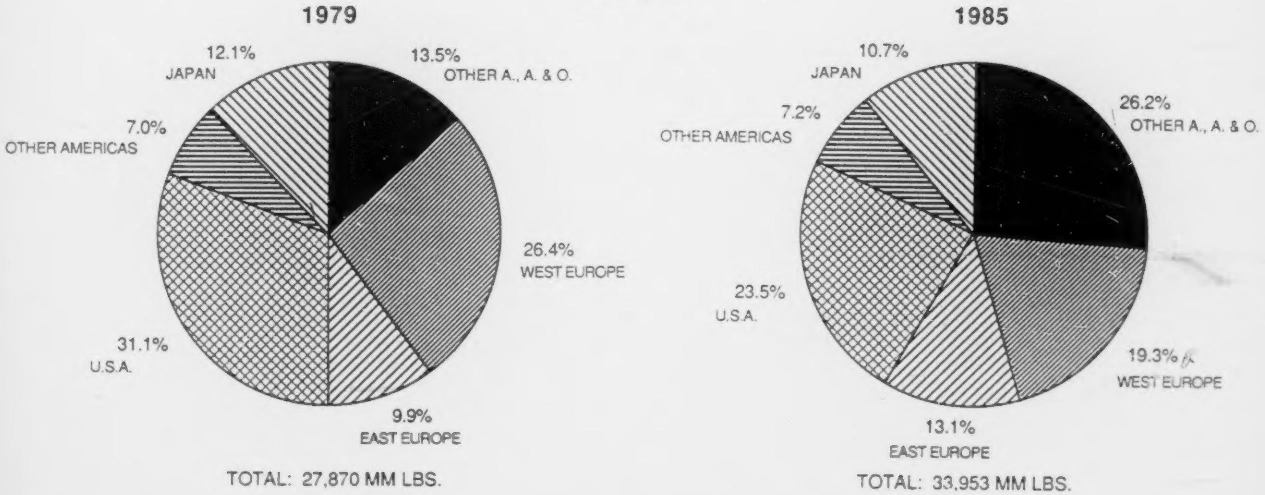
No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

GRAPH 1: PERCENT SHARE OF WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

PRODUCTION



CAPACITY



GRAPH 2:
WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY[a]

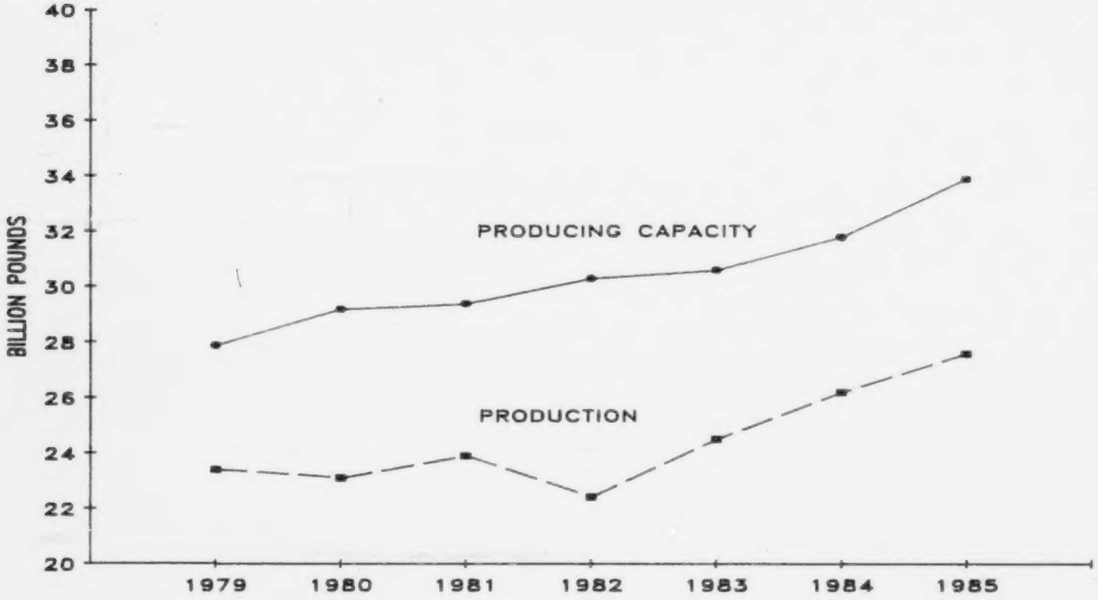


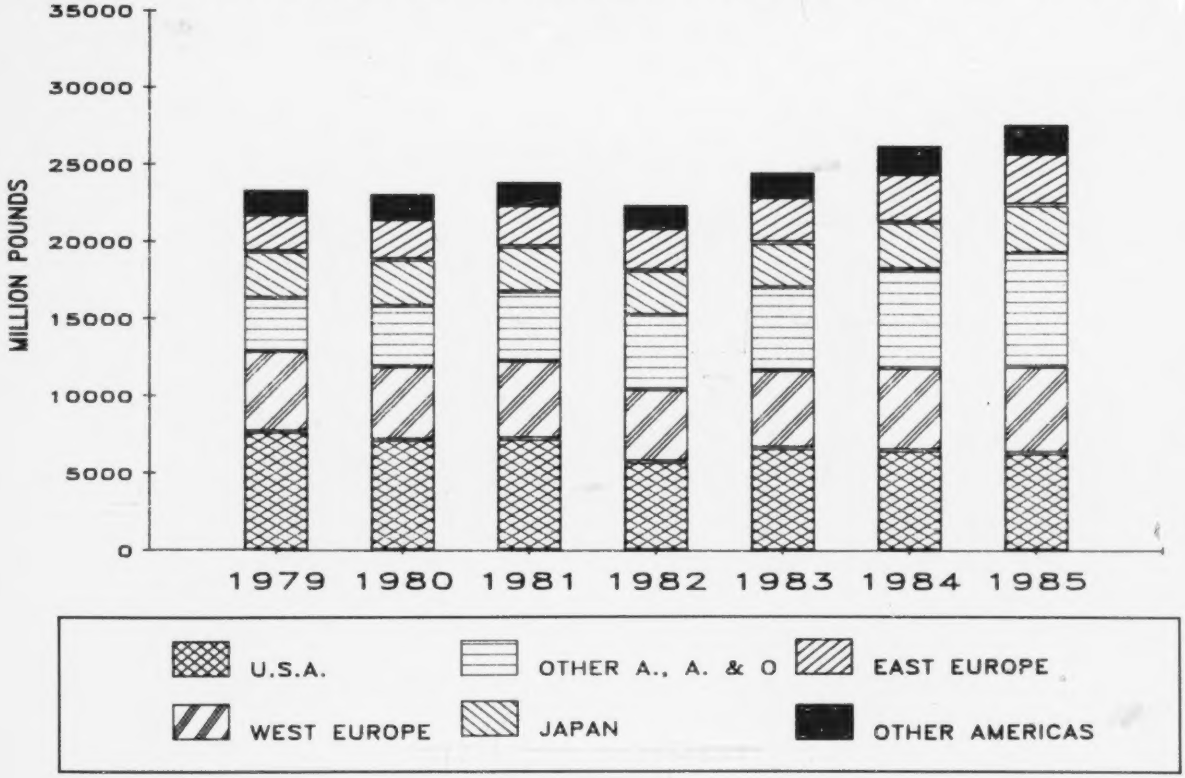
TABLE 11:
1979-1985 WORLD NONCELLULOSIC PRODUCTION VS. PRODUCING CAPACITY[a]

MILLION POUNDS

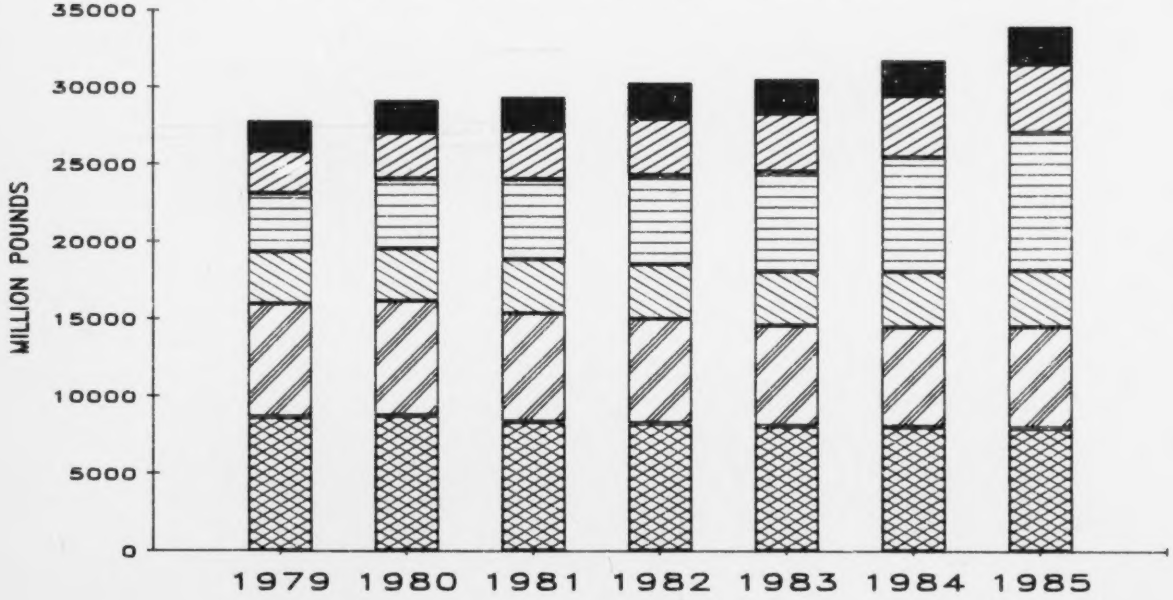
YEAR	PRODUCTION	CAPACITY
1979	23,371	27,870
1980	23,096	29,191
1981	23,870	29,391
1982	22,371	30,329
1983	24,516	30,592
1984	26,231	31,792
1985	27,589	33,953

a. Noncellulosic yarn+monofilament and staple+tow.

GRAPH 3:
WORLD NONCELLULOSIC FIBER PRODUCTION BY AREA

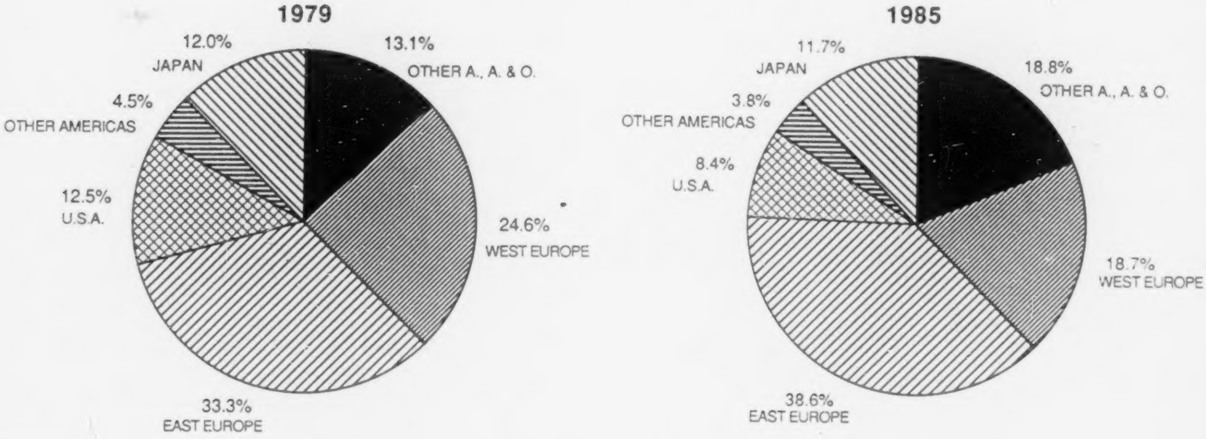


GRAPH 4:
WORLD NONCELLULOSIC FIBER CAPACITY BY AREA



GRAPH 5: WORLD CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY

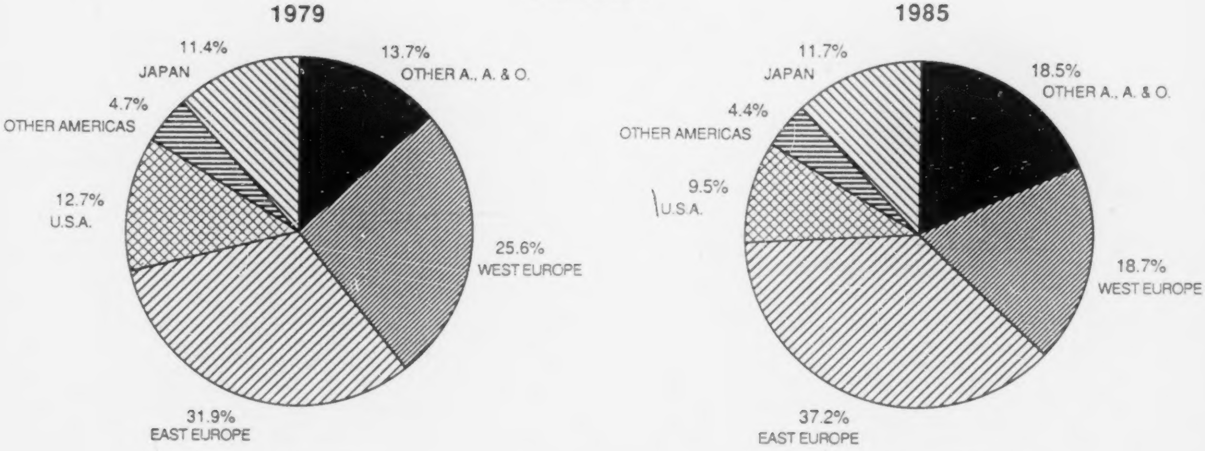
PRODUCTION



TOTAL: 7,433 MM LBS.

TOTAL: 6,612 MM LBS.

CAPACITY



TOTAL: 8,541 MM LBS.

TOTAL: 8,203 MM LBS.

TRADE BAROMETER

SIGNIFICANT IMPROVEMENT IN MAN-MADE FIBER TRADE BALANCE

The U.S. man-made fiber balance of trade rose significantly in May as the net-export balance of trade increased to 37.0 million pounds, up 48.6% from the 24.9 million pound export balance in April. Rising imports and exports of man-made fiber resulted in the rising trade balance. Imports of fiber totaled 29.3 million pounds, up 2.8% from the 28.5 million pounds imported in April. Exports of fiber amounted to 66.4 million pounds in May, up over 24% from the 53.4 million pounds exported the previous month. The trade balance in May is 30% below that of May 1984. This month's exports are 16% below the level of last May, while imports are up 15.4% during the same period.

MAY DETAIL

The balance of trade for noncellulosic yarn+monofilaments increased in May as a result of rising exports and imports. Exports rose by almost 43% and imports increased by nearly 34%.

The noncellulosic staple+tow balance of trade rose in May as imports fell 3.3% and exports improved by over 22%.

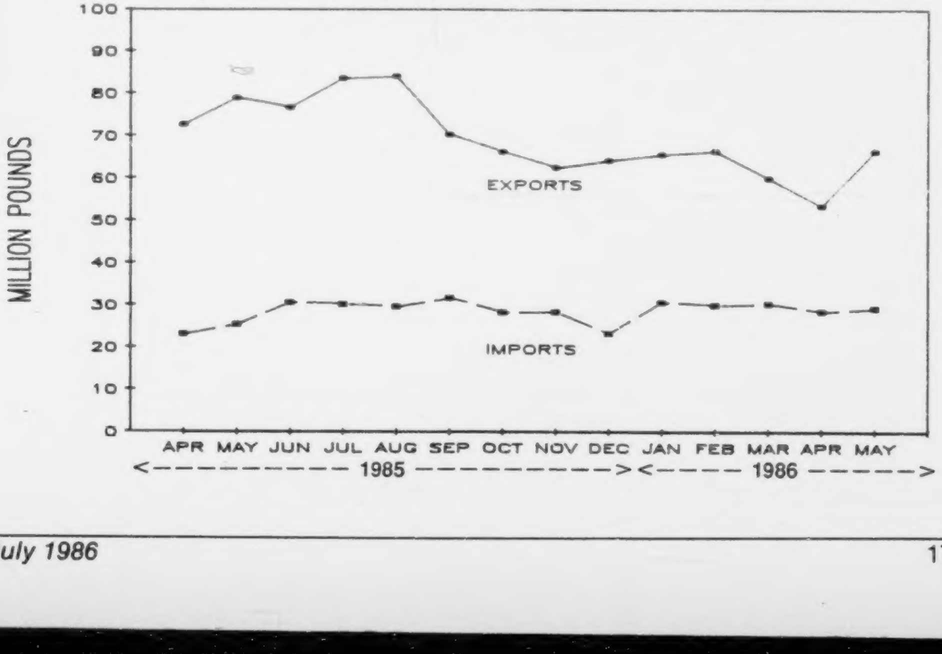
Products to note in May:

- Polyester textured yarn. Exports soared by 158%.
- Polyester staple. Exports rose by 49%.
- Nylon staple. Exports increased by 28%.
- Nylon grouped filament. Exports accelerated by 491%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ***ORGANON.***

GRAPH 6:
IMPORTS VS EXPORTS OF MAN-MADE FIBER



GRAPH 7:
MAN--MADE FIBER MONTHLY TRADE BALANCE

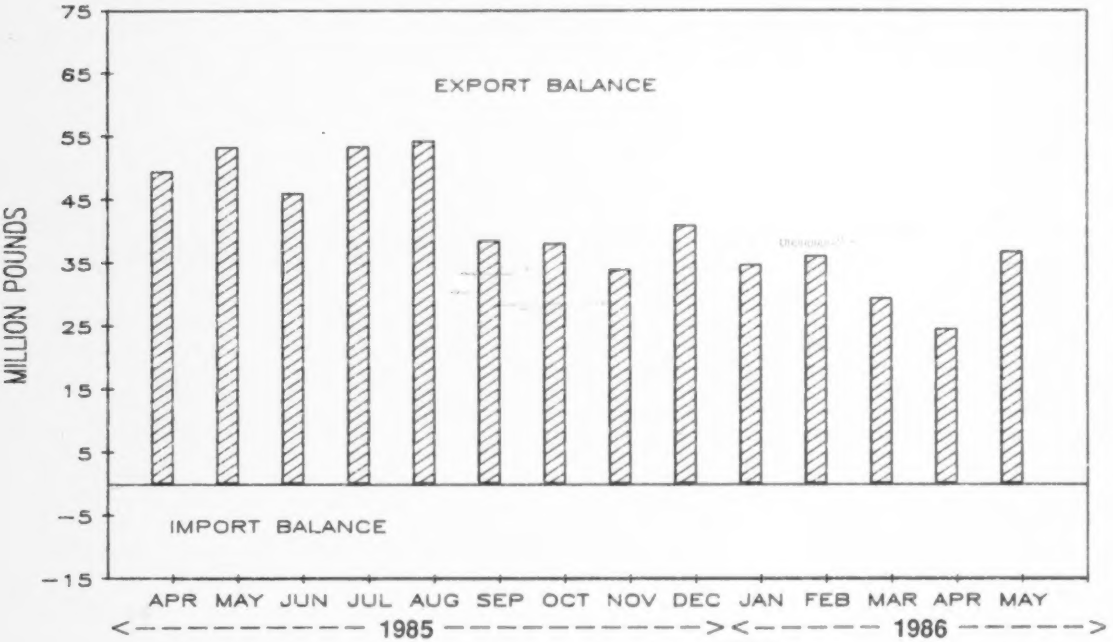


TABLE 12:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

	1985									1986				
COMMODITY	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
CELLULOSIC YARN+MONOFILAMENTS	+	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I	0.1 I
CELLULOSIC STAPLE+TOW	3.7E	1.5E	4.4E	0.9E	4.3E	1.1E	2.4E	1.7E	1.0E	0.8E	1.5E	4.0E	0.4 I	1.4E
NONCELLULOSIC YARN+MONOFILAMENTS	18.9E	20.9E	22.4E	21.0E	23.2E	19.3E	18.1E	20.3E	20.5E	20.5E	15.3E	14.4E	13.6E	20.0E
NONCELLULOSIC STAPLE+TOW	24.8E	29.0E	17.2E	28.0E	22.5E	16.3E	14.1E	5.5E	14.6E	9.1E	12.1E	5.6E	4.0E	8.6E
CELLULOSIC WASTE	0.1E	0.1E	0.1E	+	+	0.1E	+	+	+	0.1E	0.2E	0.2E	0.3E	0.1E
NONCELLULOSIC WASTE	2.2E	2.1E	2.9E	3.7E	4.9E	3.0E	4.4E	6.7E	5.3E	5.2E	8.0E	6.1E	8.3E	7.0E
TOTAL	49.7E	53.5E	46.2E	53.6E	54.5E	38.7E	38.2E	34.1E	41.1E	34.8E	36.3E	29.6E	24.9E	37.0E

I means net-import balance.
E means net-export balance.

TABLE 13:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1985 REVISED												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	0	0	38	41	0	0	0	37	16	44	14	0	190	1571
OTHER	310.0130 & .0230[a]	1105	751	697	726	748	1547	723	1164	1622	1483	1222	1163	12951	8245
MONOFILAMENTS	309.0310 & .0610	0	17	1	0	0	0	0	0	1	0	0	0	19	5
STRIPS, $1/LB & UNDER	309.2000*	5	36	4	79	42	79	160	101	66	51	98	42	763	160
SUBTOTAL ABOVE		**1110**	**804**	**740**	**846**	**790**	**1626**	**883**	**1302**	**1705**	**1578**	**1334**	**1205**	**13923**	**9981**
STAPLE	309.4320 & .4325	1319	1255	1255	1186	610	408	745	877	761	1042	836	992	11286	15388
GROUPED FILAMENTS	309.3010 & .3110[b]	62	163	58	122	106	29	77	193	64	289	31	178	1372	1605
SUBTOTAL ABOVE		**1381**	**1418**	**1313**	**1308**	**716**	**437**	**822**	**1070**	**825**	**1331**	**867**	**1170**	**12658**	**16993**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	**96**	**73**	**0**	**41**	**0**	**0**	**78**	**0**	**0**	**44**	**67**	**80**	**479**	**53**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON	310.0109 & .0209	2115	1670	2496	1645	992	4129	3940	3744	4263	3886	2355	1117	32352	17966
- POLYESTER	310.0110 & .0210	654	758	2492	1531	1834	1670	1394	1065	1848	1061	1245	1090	16642	10806
- OTHER	310.0114 & .0214	1157	1238	1081	816	1002	1263	1265	1031	1018	1391	1418	2043	14723	8939
OTHER - NYLON	310.0149 & .0249	2037	1819	1450	2132	1950	1961	1783	1219	727	1174	1039	1059	18350	30192
- POLYESTER	310.0150 & .0250	1336	1326	2183	838	1483	1291	1017	1263	2112	1113	1297	1469	16728	15698
- OTHER	310.0170 & .0270[c]	179	243	140	182	281	108	136	75	107	125	480	464	2520	2468
MONOFILAMENTS	309.0200 & .0330[d]	240	133	190	238	118	196	204	103	241	154	90	152	2059	2857
STRIPS, OVER $1/LB	309.2100 & 2500*	52	118	59	112	72	142	111	111	133	122	50	105	1187	1066
SUBTOTAL ABOVE		**7770**	**7305**	**10091**	**7494**	**7732**	**10760**	**9850**	**8611**	**10449**	**9026**	**7974**	**7499**	**104561**	**89992**
STAPLE - NYLON	309.4338	2329	1897	4525	2186	2030	3786	4667	5085	2733	3553	4148	1605	38544	38281
- POLYESTER	309.4342	1623	2018	1854	2551	2736	2382	2233	2149	2880	2050	1936	2388	26800	22890
- ACRYLIC	309.4345	1392	967	1073	1089	1102	1385	1483	2073	2388	1115	2119	1425	17611	13541
- OLEFIN	309.4346	38	169	270	355	583	796	472	841	737	733	367	371	5732	2213
- OTHER	309.4355	1838	1645	2997	894	2464	2233	1949	2155	2570	1946	2935	1890	25516	15412
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	1742	3045	1957	2013	3112	2351	3233	2381	1865	2931	2971	1913	29514	23129
POLYESTER	309.3040 & .3340	372	335	188	270	160	668	921	464	519	325	380	378	4980	7104
ACRYLIC	309.3050 & .3350	440	832	273	916	935	761	530	500	867	404	190	870	7518	6929
OTHER	309.3065 & .3365	70	152	104	293	83	266	195	241	166	450	954	257	3231	1660
SUBTOTAL ABOVE		**9844**	**11060**	**13241**	**10567**	**13205**	**14628**	**15683**	**15889**	**14725**	**13507**	**16000**	**11097**	**159446**	**131159**
WASTE, NOT ADVANCED															
- NYLON	309.6625	3094	4321	3549	1975	1905	1757	1943	1888	2742	1807	1112	1069	27162	31205
- POLYESTER	309.6630	445	950	1386	435	474	1001	391	259	414	332	568	494	7149	8042
- ACRYLIC	309.6645	+	0	10	20	58	0	0	53	61	61	20	0	283	39
- OTHER	309.6660	12	197	169	37	37	291	126	328	323	174	195	183	2072	4074
NOILS & GARNETTED FIBERS	309.6000 & .7000*	0	0	62	31	0	0	0	31	0	0	31	0	155	458
OTHER WASTE, ADVANCED	309.7525 - .7555	44	368	497	334	445	66	407	177	451	414	244	405	3852	6729
SUBTOTAL ABOVE		**3595**	**5836**	**5673**	**2832**	**2919**	**3115**	**2867**	**2736**	**3991**	**2788**	**2170**	**2151**	**40673**	**50547**
TOTAL MAN-MADE ABOVE		**23796**	**26496**	**31058**	**23088**	**25362**	**30566**	**30183**	**29608**	**31695**	**28274**	**28412**	**23202**	**331740**	**299202**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	0	+	1	0	0	0	0	0	0	0	0	1	1
- NONCELLULOSIC	310.1015[e]& .1109[f]	1106	665	740	248	365	747	1052	910	1203	960	708	566	9270	12223
OTHER - CELLULOSIC	310.1030 & .1135[g]	48	18	17	6	27	130	17	68	+	55	3	1	390	173
- NONCELLULOSIC	310.1050 & .1070[h]	346	503	337	392	894	480	340	404	116	48	59	113	4032	2763
SPUN YARN - CELLULOSIC	310.4005 & .4030[i]	83	143	119	110	168	143	160	150	253	97	232	81	1739	1724
- OTHER	310.4015 & .4027[j]	2643	1623	2810	2749	4479	3393	2901	2315	4283	2514	2278	2272	34260	35583
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	682	296	626	250	1126	1143	668	832	1096	722	899	572	8912	7517
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[k]	451	462	739	833	851	780	742	674	995	767	1132	857	9283	5445
SLIVER, TOPS & ROVING	309.9000	205	241	410	131	227	165	149	44	111	78	89	91	1941	4544
TEXTILE GLASS FIBER	309.2800 & .2900[l]	2454	1496	3565	3438	2651	4358	2589	2727	3063	1975	3136	3238	34690	23083
GRAND TOTAL ABOVE		**31814**	**31943**	**40421**	**31246**	**36150**	**41905**	**38801**	**37732**	**42815**	**35490**	**36948**	**30993**	**436258**	**392258**

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nomimal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 309.3310

c. Also includes 310.0530, .0550, .0630, .0640 & .0665

d. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

e. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

f. Also includes 310.1110 & .1114.

g. Also includes 310.2010 & .2110.

h. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130, .2150.

i. Also includes 310.5030.

j. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

k. Also includes 310.9300 & .9500

l. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 14:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123								210	79
OTHER	310.0130 & .0230[a]	1309	1180	1318	1488	628								5923	4027
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4								15	18
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129								469	166
SUBTOTAL ABOVE		1375	1302	1442	1614	884								6617	4290
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121								6336	5625
GROUPED FILAMENTS	309.3010 & .3110	140	39	130	86	77								472	511
SUBTOTAL ABOVE		1605	1095	1526	1384	1198								6808	6136
WASTE, ADVANCED&NOT ADVANCED	309.6515 & .7510	+	0	+	33	+								33	210
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548								1235	8918
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313								7349	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039								5537	7269
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059								7670	5294
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650								7640	9388
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512								10042	7166
- OTHER	310.0170 & .0270[b]	483	225	438	400	403								1949	1025
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218	196								1212	919
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142								603	413
SUBTOTAL ABOVE		8347	8832	8828	7368	9862								43237	40392
STAPLE - NYLON	309.4338	3716	4331	3835	4107	3294								19283	12967
- POLYESTER	309.4342	2725	3058	3474	2831	2760								14848	10782
- ACRYLIC	309.4345	1473	822	887	1202	1542								5926	5623
- OLEFIN	309.4346	623	222	149	28	107								1129	1415
- OTHER	309.4355	2666	1949	1613	1861	1478								9587	9838
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258								16460	11869
POLYESTER	309.3040 & .3340	147	150	204	84	197								782	1325
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138								5444	3396
OTHER	309.3065 & .3365	341	203	141	285	364								1334	702
SUBTOTAL ABOVE		16044	14909	15083	14619	14138								74793	57917
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492								9090	14844
- POLYESTER	309.6630	560	403	465	827	511								2766	3690
- ACRYLIC	309.6645	0	0	6	0	19								25	88
- OTHER	309.6660	892	813	256	748	922								3631	452
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62								121	93
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253								1762	1688
SUBTOTAL ABOVE		3381	3671	3414	3470	3259								17395	20855
TOTAL MAN-MADE ABOVE		30752	30009	30293	28488	29341								148683	129800
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	30	0	0	0								30	1
- NONCELLULOSIC	310.1015[d] & .1109[e]	1309	1305	586	1260	692								5152	3124
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	11	+	+	11								24	116
- NONCELLULOSIC	310.1050 & .1070[g]	33	59	49	63	54								258	2472
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182	232								901	623
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597	3591								16509	14304
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957								4675	2980
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387	411								2051	3336
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240								1480	1214
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221	1883								11979	13604
GRAND TOTAL ABOVE		37875	38884	39069	37702	38412								191942	171574

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nomimal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

j. Also includes 310.9300 & .9500

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 15:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5	22	3								33	40
OTHER[b]	310.0026	483	499	712	729	742								3165	4389
MONOFILAMENTS	309.0110	18	3	22	8	1								52	64
STRIPS	309.2210	0	0	1	1	12								14	7
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**								**3264**	**4500**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402								13267	15356
STAPLE-ACETATE	309.4219	175	102	162	223	208								870	588
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**								**14137**	**15944**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**68**	**233**	**157**	**303**	**126**								**887**	**602**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066								9442	11442
- HIGH TENACITY[c]	310.0027	5757	6837	5805	5895	5786								30080	29848
- OTHER	310.0029	638	1276	1238	867	425								4444	4273
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265								46923	43032
- HIGH TENACITY[c]	310.0032	1952	1435	1252	2765	2717								10121	7532
- OTHER[d]	310.0034	735	128	90	189	151								1293	4391
OTHER - TEXTURED	310.0014	8990	916	1023	1116	906								12951	2771
- OLEFIN	310.0040	67	951	84	119	87								1308	183
- OTHER	310.0044	212	600	479	524	742								2557	3102
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437								1945	1039
POLYESTER[e]	309.0140	663	503	340	535	589								2630	2576
OTHER	309.0170	283	450	537	418	373								2061	5193
STRIPS	309.2220 & .2270	320	283	194	221	362								1380	1724
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20953**	**29906**								**127135**	**117106**
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348								5817	4103
- POLYESTER	309.4242	8164	8395	6714	6651	9885								39809	90636
- ACRYLIC	309.4245	8607	7909	4248	4524	5220								30508	67700
- OLEFIN	309.4246	1844	1327	1269	1105	437								5982	3112
- OTHER	309.4247	1124	2228	1796	1208	1324								7680	4512
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987								3087	523
POLYESTER[d]	309.3240	1997	2797	1950	1832	280								8856	12471
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280								12473	13811
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**								**114212**	**196868**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	299	806	408	628	785								2926	1378
- POLYESTER	309.7630	3848	5678	4934	7109	5390								26959	17450
- ACRYLIC	309.7640	569	624	1080	228	399								2900	1636
- OTHER	309.7660	3831	4801	3139	3779	3701								19251	4435
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**	**10275**								**52036**	**24899**
TOTAL MAN-MADE ABOVE		**65579**	**66384**	**59896**	**53376**	**66436**								**311671**	**359919**
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008								23536	28558
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**	**57956**	**71444**								**335207**	**388477**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 16:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1986												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	62	56	0	53	0								191	309
CANADA	200	420	226	302	698								1846	775
GERMANY, FED. REP. OF	482	284	783	594	22								2165	2019
JAPAN	95	41	50	25	35								246	254
MEXICO	81	114	0	62	0								257	311
NETHERLANDS	195	181	167	233	34								810	418
REP. OF KOREA	80	60	80	80	0								300	31
ALL OTHER COUNTRIES [a]	160	146	136	265	95								802	173
TOTAL CELLULOSIC YARN	1375	1302	1442	1614	884								6617	4290
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	0	126	138								523	189
CANADA	777	981	724	948	764								4194	3081
JAPAN	143	75	128	108	108								562	294
MEXICO	310	0	109	123	41								583	0
UNITED KINGDOM	105	39	80	69	42								335	715
ALL OTHER COUNTRIES [b]	11	0	485	10	105								611	1856
TOTAL CELLULOSIC STAPLE+TOW	1605	1095	1526	1384	1198								6808	6135
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8								57	40
AUSTRIA	113	7	115	4	150								389	450
BELGIUM	1152	1901	531	297	449								4330	2667
BRAZIL	1	56	0	0	6								63	157
CANADA	1282	338	857	1384	1239								5100	4740
COSTA RICA	480	430	349	608	736								2603	37
FRANCE	405	689	679	249	493								2515	1861
GERMANY, FED. REP. OF	1195	1199	1397	774	1915								6480	9009
ISRAEL	413	277	316	226	179								1411	918
ITALY	790	529	1158	895	1083								4455	4151
JAPAN	646	553	1019	693	895								3806	3449
MEXICO	128	917	1223	931	928								4127	3136
NETHERLANDS	74	213	29	6	255								577	283
SOUTH AFRICA	853	866	532	631	565								3447	4288
SWITZERLAND	74	74	1	2	224								375	139
TAIWAN	36	39	47	144	111								377	83
UNITED KINGDOM	573	510	352	307	454								2196	3223
YUGOSLAVIA	85	0	0	0	0								85	924
ALL OTHER COUNTRIES [c]	47	218	192	215	172								844	838
TOTAL NONCELLULOSIC YARN	8347	8832	8828	7368	9862								43237	40393
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85								224	309
BRAZIL	35	60	22	0	0								117	2298
CANADA	2650	1831	1430	1882	1977								9770	9967
COSTA RICA	31	44	0	0	0								75	1007
FRANCE	996	984	984	761	888								4613	3888
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005								14383	9119
ISRAEL	42	81	48	80	28								279	260
ITALY	1237	1748	1504	1525	721								6735	4373
JAPAN	1919	1523	2265	1431	1515								8653	8239
MEXICO	1025	1105	1011	1249	1599								5989	3081
NETHERLANDS	20	0	+	43	0								63	229
REP. OF KOREA	492	355	551	88	343								1829	1775
ROMANIA	210	88	158	0	438								894	331
SOUTH AFRICA	80	88	0	25	53								246	262
SWITZERLAND	137	0	23	48	88								296	265
TAIWAN	2105	1587	2111	1961	1272								9036	6604
UNITED KINGDOM	1819	2340	2151	2271	1800								10381	5372
ALL OTHER COUNTRIES [d]	116	330	216	222	326								1210	538
TOTAL NONCELLULOSIC STAPLE+TOW	16044	14909	15083	14619	14138								74793	57917

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

[a] Australia 18, Austria 30, Belgium 238, China, PRC 2, France 47, Ireland 247, Israel 28, Italy 5, Taiwan 48, Thailand 17, United Kingdom 72, Yugoslavia 50.

[b] Australia 217, Germany, Federal Rep. of 7, Hong Kong 6, Sweden 320, Taiwan 1

[c] Chile 44, Colombia 73, Denmark 61, Dominican Rep. +, Greece +, Hong Kong +, Hungary 48, India +. Ireland 135, Korea, Rep. of 117, Norway 1, Philippines +, Romania 135, Singapore 32, Somalia 36, Spain +, Sweden 162.

[d] Australia 235, Austria 58, China, PRC 117, Denmark 59, Finland 18, Greece 12, Hong Kong 15, Ireland 82, Kenya 31, Malaysia 96, Philippines 1, Sweden 57, Thailand 138, Turkey 51, Yugoslavia 240.

TABLE 17:

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1986												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS													
MAN MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	17.8	17.2	18.3	19.4	18.9	17.2							108.8	105.7
NYLON[e] - INDUSTRIAL[f]	26.3	29.5	28.8	29.1	27.6	26.7							168.0	176.5
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8							433.5	380.3
- TEXTILE[k]	30.9	31.1	31.7	32.1	30.6	29.2							185.6	178.4
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4	24.1							156.9	149.6
- LOW DENIER INDUSTRIAL[g]	1.9	2.3	2.4	2.0	2.2	2.0							12.8	10.6
- TEXTILE	75.2	75.7	67.4	66.3	70.4	58.7							413.7	489.8
OLEFIN[h]	75.1	84.2	84.4	83.9	85.0	87.3							499.9	477.0
TOTAL NONCELLULOSIC ABOVE[i]	307.2	319.5	313.7	315.8	311.4	302.8							1870.4	1862.2
STAPLE+TOW+FIBERFILL[j]														
RAYON	34.9	30.0	33.0	32.7	34.9	31.3							196.8	171.8
NYLON[e]	70.7	64.1	64.3	67.1	71.9	67.1							405.2	401.9
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8							313.1	326.4
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2							1049.7	1030.7
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9							165.5	142.1
TOTAL NONCELLULOSIC ABOVE	324.8	308.5	318.9	331.8	340.5	309.0							1933.5	1901.1
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	13.0	12.2	13.3	12.1	12.2	12.5							12.5	19.4
NYLON[e] - INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2	25.4							25.4	29.9
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8							56.8	52.9
- TEXTILE[k]	49.0	46.1	46.2	44.7	45.8	43.9							43.9	53.8
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9	31.5							31.5	29.2
- LOW DENIER INDUSTRIAL[g]	3.3	3.3	3.5	3.6	3.4	3.3							3.3	2.8
- TEXTILE	81.4	87.0	93.1	92.9	88.5	82.9							82.9	74.5
OLEFIN[h]	66.7	69.4	67.1	69.5	66.4	64.2							64.2	67.2
TOTAL NONCELLULOSIC ABOVE[i]	304.7	309.3	317.1	316.5	319.2	308.0							308.0	310.3
STAPLE+TOW+FIBERFILL														
RAYON	20.7	21.1	19.7	20.1	18.4	20.5							20.5	28.1
NYLON[e]	63.0	70.4	84.1	89.1	88.0	85.4							85.4	69.1
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4							51.4	72.5
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8							164.8	175.7
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9							28.9	22.9
TOTAL NONCELLULOSIC ABOVE	310.3	317.7	332.3	326.2	321.5	330.5							330.5	340.2
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1										38.9	18.9
CARPET CLASS WOOL	1.0	0.8	0.9										2.7	2.3
TOTAL RAW WOOL	13.6	14.0	14.0										41.6	21.2
RAW COTTON	269.5	263.3	265.0	265.2	261.4								1324.4	1082.3

---

[a] Year-to-date totals for stock, which is the latest month's data.

[b] The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

[c] Producers' total domestic plus export shipments.

[d] Rayon yarn data are available annually only; see page 53 of the March 1986 issue.

[e] Data for nylon exclude aramid.

[f] Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

[g] Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

[h] Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

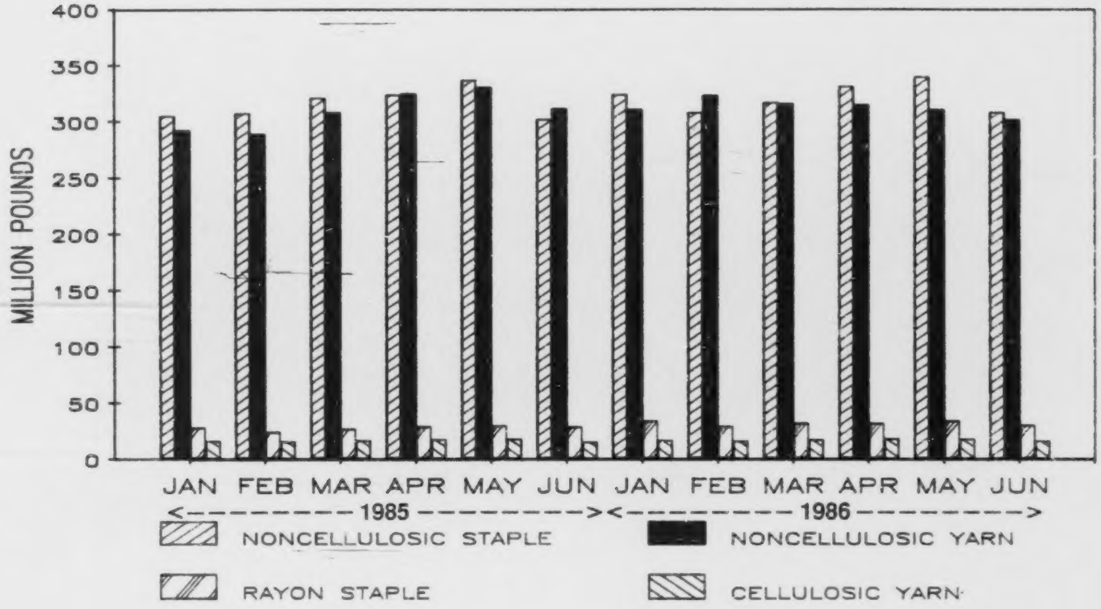
[i] Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.

[j] Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.

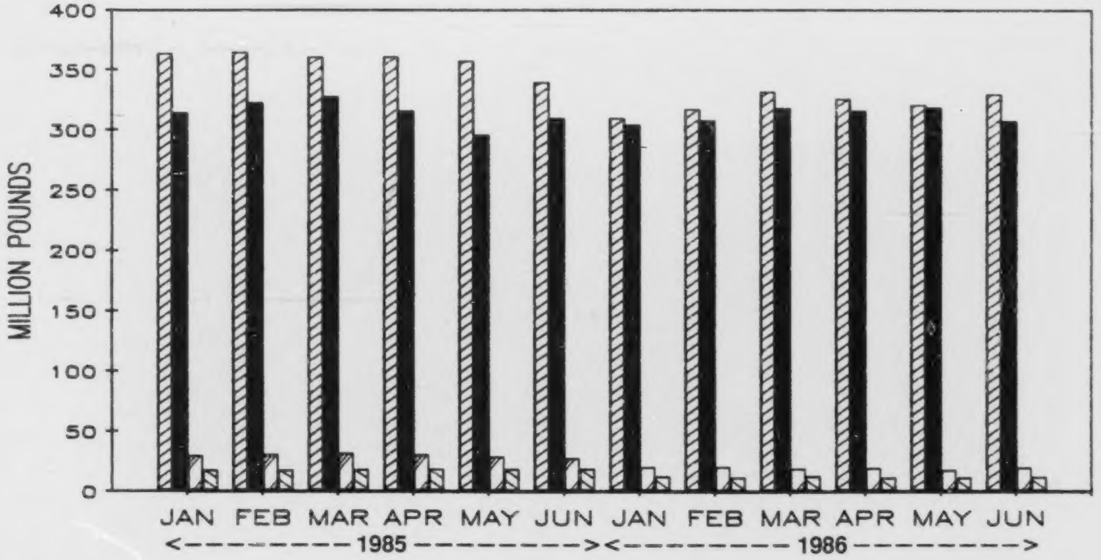
[k] Low denier industrial Nylon is now included with Textile.

GRAPH 8:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

TOTAL SHIPMENTS



END-OF-MONTH STOCK



C8850-1

TEXTILE ORGANON

Volume 57, No. 8 ☐ August 1986

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

***Textile Organon** Features:*

Import Update . . . begins on page 184.

Raw Fiber Equivalent of Imports, Exports & Balance . . . begins of page 188.

U.S. Production of Hosiery . . . see page 192.

Trade Barometer . . . begins on page 193.

In July, shipments of noncellulosic yarn+monofilaments reached their highest level since July of last year, while shipments of noncellulosic staple+tow recorded their highest level since January of this year.

- ***Nylon industrial yarn*** shipments plunged to their lowest level since July 1983.
- ***Olefin yarn*** shipments dropped to their lowest level since February 1985.
- ***Polyester textile yarn*** deliveries recorded a a 13% increase over last month.
- ***Nylon staple+tow*** shipments rose by more than 18% over last month's deliveries.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT*

ITEM	1986 JUL	1986 JUN	%[a]	1985 JUL	%[b]	YEAR TO DATE 1986	YEAR TO DATE 1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**17.7**	**17.2**	***+2.9***	**16.2**	***+9.3***	**126.5**	**121.9**	***+3.8***
NYLON[d]- INDUSTRIAL	23.3	26.7	*-12.7*	26.3	*-11.4*	191.3	202.8	*-5.7*
- CARPET	76.8	74.8	*+2.7*	69.9	*+9.9*	510.3	450.2	*+13.3*
- TEXTILE[e]	29.6	29.1	*+1.7*	25.7	*+15.2*	215.1	204.1	*+5.4*
POLYESTER - INDUSTRIAL	24.6	24.6	-- --	21.4	*+15.0*	182.0	171.0	*+6.4*
- LOW DENIER INDUSTRIAL	2.0	2.0	-- --	1.7	*+17.6*	14.8	12.3	*+20.3*
- TEXTILE	66.5	58.7	*+13.3*	80.4	*-17.3*	480.2	570.2	*-15.8*
OLEFIN	77.0	87.5	*-12.0*	71.8	*+7.2*	577.1	548.8	*+5.2*
TOTAL NONCELLULOSIC ABOVE	**299.8**	**303.4**	***-1.2***	**297.2**	***+0.9***	**2170.8**	**2159.4**	***+0.5***
STAPLE+TOW+FIBERFILL								
RAYON	**34.2**	**31.3**	***+9.3***	**30.4**	***+12.5***	**231.0**	**202.2**	***+14.2***
NYLON[d]	79.3	67.1	*+18.2*	68.2	*+16.3*	484.5	470.1	*+3.1*
ACRYLIC+MODACRYLIC	50.0	51.8	*-3.5*	52.5	*-4.8*	363.1	378.9	*-4.2*
POLYESTER	166.2	160.2	*+3.7*	149.4	*+11.2*	1215.9	118	*+3.0*
OLEFIN+VINYON	27.8	29.9	*-7.0*	20.5	*+35.6*	193.3	162.6	*+18.9*
TOTAL NONCELLULOSIC ABOVE	**323.3**	**309.0**	***+4.6***	**290.6**	***+11.3***	**2256.8**	**2191.7**	***+3.0***

-- -- Means no change.
a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. Nylon excludes Aramid.
e. Low denier industrial Nylon is included with Textile.
Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

AUGUST 1986

CONTENTS

Features

Import Update 184-187
- Graph 1: 1984 vs. 1985 Comparison of the Import Share of the U.S. Apparel Market 185
- 1984 vs. 1985 Comparison of the Import Share of the U.S. Apparel Market 185
- Graph 2: U.S. Domestic Output of Apparel vs. Apparel Imports 186
- Graph 3: U.S. Apparel Market Available for Consumption 186
- Estimates of the Apparel Market in the U.S. Available for Domestic Consumption Basis 187

Raw Fiber Equivalent of Imports, Exports & Balance 188-191
- Raw Fiber Equivalent of Imports & Exports of:
  - Man-Made Fiber, Cotton & Wool Manufactures 188
  - Man-Made Fiber Manufactures 189
  - Cotton Manufactures 190
  - Wool Manufactures 191

U.S. Production of Hosiery, 1972-1985 192

Industry Regulars

- Total Man-Made Fiber Shipments 181

Datagram 183

Trade Barometer 193
- Graph 4: Imports vs. Exports of Man-Made Fiber 193
- Graph 5: Man-Made Fiber Monthly Trade Balance 194
- Man-Made Fiber Monthly Trade Balance Detail 194

Monthly U.S. Man-Made Fiber Data 195-197
- Imports by Country of Origin 195
- Imports for Consumption 196
- Exports by Fiber 197

Quarterly Man-Made Fiber Data 198-199
- Filament Yarn Domestic Shipments 198
- Staple+Tow Domestic Shipments 199

Selected U.S. Monthly Textile Fiber Data 200

Editor
Rosemarie D Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
10 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

ISSN 0040-5132

Copyright © 1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues:		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

APPAREL IMPORTS REACH RECORD HIGH IN 1985

Import penetration of the U.S. apparel market rose to 43.0% in 1985, up from 41.4% in 1984 and 32.5% in 1983.

Imports surged by 13% in 1985 on the strength of greatly increased levels of imported garments. Garments accounting for nearly 72% of all textile imports into the apparel market grew by an unprecedented 20% in 1985.

More specifically:

- Cotton garments grew by 18% in 1985.
- Man-made fiber garments increased by 16%.
- Wool garments rose by 69%.

Imported fabrics fell by 18% in 1985. The decline in imported fabrics was mainly noticed in the man-made sector of the apparel market as man-made fabric imports recorded a 39% decline over last year.

Domestic output of fiber and fabric fell significantly during the year:

- Cotton fabric shipments from U.S. mills improved nearly 9%.
- Man-made fiber domestic shipments dropped by 19%.
- Woolen fabric shipments from U.S. mills fell 21%.

Summing up the import situation for 1985 leads to the conclusion that imports are displacing domestic output. The total market for apparel in the U.S. recorded a small gain in 1985 of just over 4%. Imports grew 9%, while domestic output remained relatively flat in 1985, growing by only 1.5%. As a direct result of the low growth in the market for the year, imports gained a greater share of the U.S. apparel market at the expense of domestic output.

IMPORT UPDATE

APPAREL IMPORTS CONTINUE TO RISE

***Editor's Note** - This report (pages 184-186) represents the continuing effort on the part of the Textile Economics Bureau to monitor the apparel import situation. For this report, annual data for 1981 - 1985 are provided for easy cross-reference.*

*The tables presented in this report include some estimated data. These estimated data reflect results obtained through extensive examination of primary market information and discussions with various market sources close to the import situation. As with previous import reports in the **Textile Organon**, the annual data are subject to revision as new and more complete information becomes available.*

GENERAL ANALYSIS

For the year of 1985, imports claimed 43% of the U.S. apparel market. Compared to 1984, when imports claimed over 41%, the 1985 results are indicative of the U.S. apparel market becoming more import oriented.

As listed in the precent-change table on page 185, domestic output in the cotton, man-made fiber and wool sectors of the apparel market has fallen significantly, while imported textiles into these sectors have risen greatly. As seen with graph 2, apparel imports are approaching the level of domestic output.

It is not surprising to see imports gaining market share to the detriment of domestic output, for the market has over time exhibited relatively flat growth. As illustrated in graph 3, the total U.S. apparel market has grown at a rate of 4.7%, while imports have grown at a rate of 8.8%. Under this scenario, every gain in imports translates into a reduction in domestic output.

When comparing 1984 to 1985, domestic production of cotton apparel fabric from U.S. mills declined 0.3%, while imports of cotton yarn, fabric and garments increased 9.5%.

The situation is similar for man-made fiber: domestic shipments of fiber for apparel uses declined 1.2%, while imports of man-made fiber/yarn, fabric and garments increased over 5%.

COTTON

The cotton sector of the U.S. apparel market has absorbed the brunt of imports. In 1985, over 50% of all apparel imports were primarily cotton. This compares to the man-made fiber and wool levels of 42.4% and 7.3% respectively.

In 1985, the available supply for cotton rose from 2316 million pounds to 2548 million pounds. Domestic output of cotton fabric improved during 1985, growing nearly 9%, while imports fell almost 7%.

MAN-MADE FIBER

During 1985, domestic shipments declined to 2320 million pounds, a loss of just over 1% over domestic shipments in 1984. On the other hand, imports improved by over 42% to 1084 million pounds, down from the 44% import share in 1984.

WOOL

Imports claimed a larger share of the apparel wool sector in 1985. For 1985, domestic production of woolen apparel stood at 92 million pounds, almost 21% below the 1984 level of 116 million pounds.

Imports rose from 136 million pounds in 1984 to 187 million pounds in 1985, up 7.3%.

GRAPH 1:
1984 VS. 1985 ESTIMATES OF THE APPAREL MARKET IN THE U.S. AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

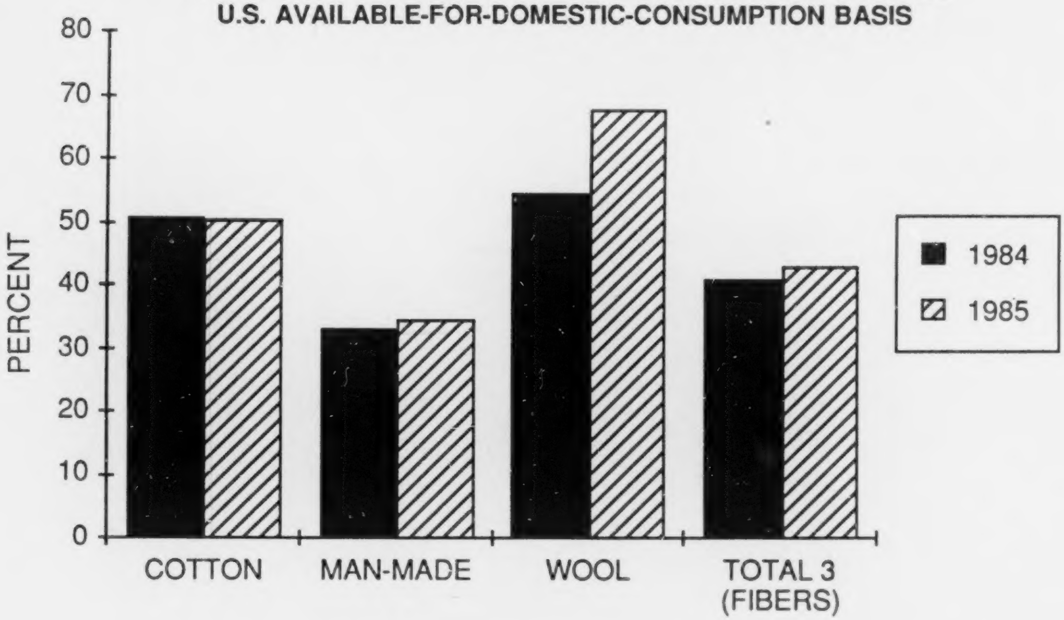
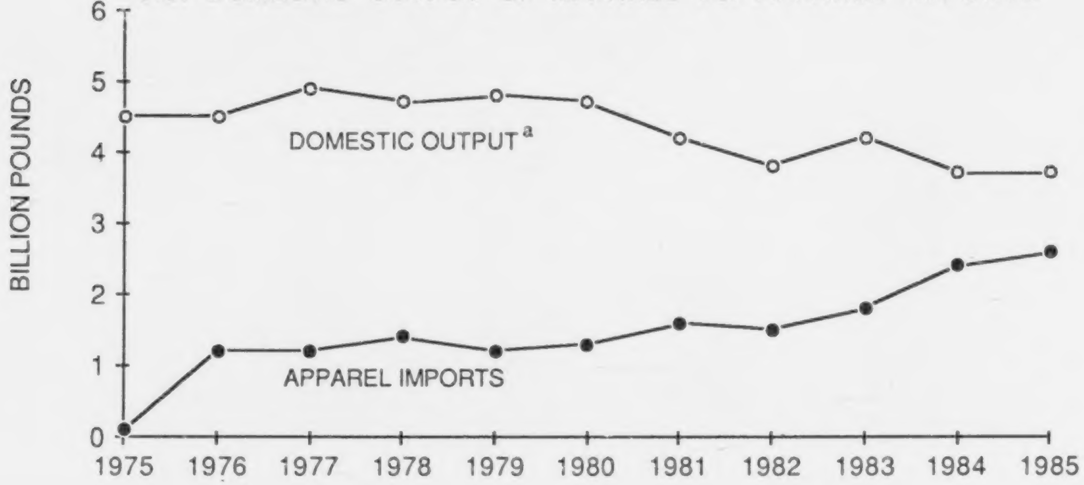


TABLE 2:
1984 VS. 1985 ESTIMATES OF THE APPAREL MARKET IN THE U.S. AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

MILLION POUNDS (RAW FIBER BASIS)

ITEM	1984			1985			% CHANGE 1984 TO 1985		
	TOTAL	TOTAL IMPORTS	& IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.
COTTON									
IMPORTS OF YARN FOR APPAREL	55	55		56	56		*+1.8*	*+1.8*	
+IMPORTS OF FABRIC FOR APPAREL	361	361		337	337		*-6.6*	*-6.6*	
+FABRIC FROM U.S.MILLS	1208			1315			*+8.9*		
ORGANON END USE SURVEY - COTTON APPAREL	1624	416		1708	393		*+5.2*	*-5.5*	
+IMPORTS OF GARMENTS	760	760		895	895		*+17.8*	*+17.8*	
-EXPORTS OF GARMENTS	68			55			*-19.1*		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**2316**	**1176**	***50.8***	**2548**	**1288**	***50.5***	***+10.0***	***+9.5***	***-0.3***
MAN-MADE FIBERS									
DOMESTIC SHIPMENTS FOR APPAREL	2349			2320			*-1.2*		
+IMPORTS OF FIBER/YARN FOR APPAREL	145	145		161	161		*+11.0*	*+11.0*	
+IMPORTS OF FABRIC FOR APPAREL	206	206		125	125		*-39.3*	*-39.3*	
-EXPORTS OF SEMIMANUFACTURED PRODUCTS	191			210			*+9.9*		
ORGANON END USE SURVEY - MMF APPAREL	2509			2396			*-4.5*		
+IMPORTS OF GARMENTS	689	689		798	798		*+15.8*	*+15.8*	
-EXPORTS OF GARMENTS	79			65			*-17.7*		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**3119**	**1040**	***33.3***	**3129**	**1084**	***34.6***	***+0.3***	***+4.2***	***+1.3***
WOOL									
IMPORTS OF YARN FOR APPAREL	16	16		14	14		*-12.5*	*-12.5*	
+IMPORTS OF FABRIC FOR APPAREL	39	39		36	36		*-7.7*	*-7.7*	
+FABRIC FROM U.S. MILLS	116			92			*-20.7*		
ORGANON END USE SURVEY - WOOL APPAREL	171	55		142	50		*-17.0*	*-9.1*	
+IMPORTS OF GARMENTS	81	81		137	137		*+69.1*	*+69.1*	
-EXPORTS OF GARMENTS	3			4			*+33.3*		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**249**	**136**	***54.6***	**275**	**187**	***68.0***	***+10.4***	***+37.5***	***+13.4***
TOTAL (3 FIBERS) AVAILABLE FOR CONSUMPTION	**5684**	**2352**	***41.4***	**5952**	**2559**	***43.0***	***+4.7***	***+8.8***	***+1.6***

GRAPH 2:
U.S. DOMESTIC OUTPUT OF APPAREL VS. APPAREL IMPORTS



a. Defined as the sum of cotton and woolen fabric from U.S. mills plus man-made fiber domestic shipments.

GRAPH 3:
U.S. APPAREL MARKET AVAILABLE-FOR-CONSUMPTION

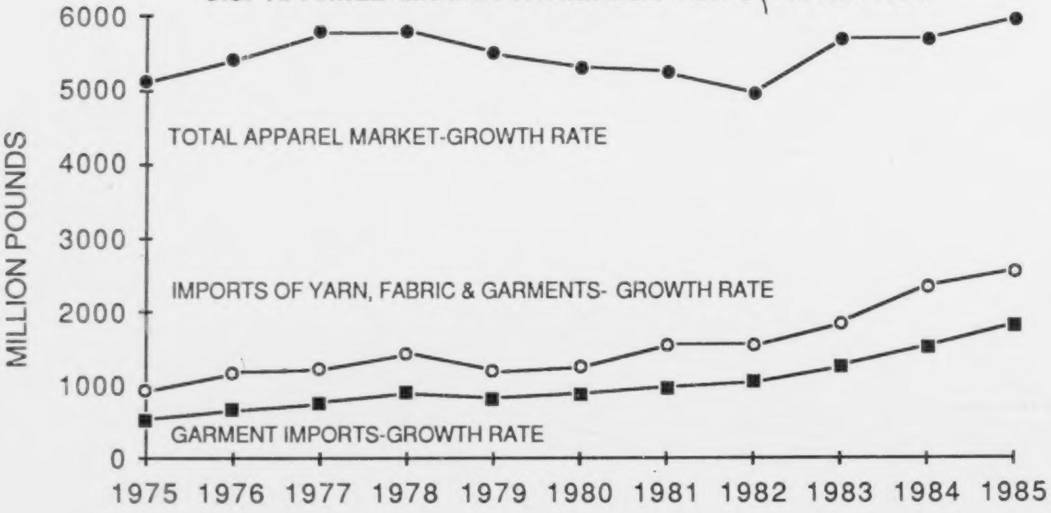


TABLE 3:
ESTIMATES OF THE APPAREL MARKET IN THE U.S. AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

MILLION POUNDS (RAW FIBER BASIS)

ITEM	1981			1982			1983			1984			1985		
	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.	TOTAL	TOTAL IMPORTS	% IMP. OF TOT.
COTTON															
IMPORTS OF YARN FOR APPAREL [a]	24	24		29	29		42	42		55	55		56	56	
+IMPORTS OF FABRIC FOR APPAREL [a b]	280	280		227	227		280	280		361	361		337	337	
+FABRIC FROM U.S.MILLS	1291			1301			1324			1208			1315		
ORGANON END USE SURVEY - COTTON APPAREL [c]	1595	304		1557	256		1646	322		1624	416		1708	393	
+IMPORTS OF GARMENTS [a]	504	504		511	511		623	623		760	760		895	895	
-EXPORTS OF GARMENTS [a]	123			80			72			68			55		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	1976	808	*40.9*	1988	767	*38.6*	2197	945	*43.0*	2316	1176	*50.8*	2548	1288	*50.5*
MAN-MADE FIBERS															
DOMESTIC SHIPMENTS FOR APPAREL [d]	2833			2398			2719			2349			2320		
+IMPORTS OF FIBER/YARN FOR APPAREL [e]	148	148		113	113		117	117		145	145		161	161	
+IMPORTS OF FABRIC FOR APPAREL [a f]	90	90		97	97		115	115		206	206		125	125	
-EXPORTS OF SEMIMANUFACTURED PRODUCTS [a]	319			215			184			191			210		
ORGANON END USE SURVEY - MMF APPAREL [c]	2752			2393			2767			2509			2396		
+IMPORTS OF GARMENTS [a]	437	437		487	487		576	576		689	689		798	798	
-EXPORTS OF GARMENTS [a]	121			75			71			79			65		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	3068	675	*22.0*	2805	697	*24.8*	3272	808	*24.7*	3119	1040	*33.3*	3129	1084	*34.6*
WOOL															
IMPORTS OF YARN FOR APPAREL [a]	5	5		8	8		8	8		16	16		14	14	
+IMPORTS OF FABRIC FOR APPAREL [a]	28	28		26	26		28	28		39	39		36	36	
+FABRIC FROM U.S. MILLS	116			94			117			116			92		
ORGANON END USE SURVEY - WOOL APPAREL [c]	149	33		128	34		153	36		171	55		142	50	
+IMPORTS OF GARMENTS [a]	41	41		46	46		59	59		81	81		137	137	
-EXPORTS OF GARMENTS [a]	4			3			3			3			4		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	186	74	*39.8*	171	80	*46.8*	209	95	*45.5*	249	136	*54.6*	275	187	*68.0*
TOTAL (3 FIBERS) AVAILABLE FOR CONSUMPTION	5230	1557	*29.8*	4964	1544	*31.1*	5678	1848	*32.5*	5684	2352	*41.4*	5952	2559	*43.0*

NOTE: All data are *estimated* based on the most current information available at press time, and are subject to revision.

a. See page 188 of the current ***Organon*** issue.

b. Total cotton fabric imports less estimated poundages for nonapparel uses.

c. See page 180 of the September 1985 ***Organon*** as revised.

d. Domestic shipments of man-made fibers used in calculating the apparel end uses shown on page 180 of the September 1985 ***Organon.***

e. Grand Total man-made fiber imports from page 175 of the July 1986 ***Organon*** less estimated poundages for nonapparel uses.

f. Total man-made fiber fabric imports from page 188 of the current ***Organon*** less estimated poundages for nonapparel uses.

TABLE 4
RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS (REVISED)

COMMODITY	MAN-MADE FIBER							COTTON							WOOL						
	ANNUAL AVERAGE							ANNUAL AVERAGE							ANNUAL AVERAGE						
	1971-1975	1976-1980	1981	1982	1983	1984	1985	1971-1975	1976-1980	1981	1982	1983	1984	1985	1971-1975	1976-1980	1981	1982	1983	1984	1985
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC [a]	23.1	37.3	34.9	38.2	58.0	71.0	74.7	24.5	20.5	24.1	28.5	42.1	54.6	56.3	6.5	5.4	5.0	7.7	7.6	16.3	14.1
CLOTH [b]	101.9	88.9	106.2	105.7	138.0	170.4	129.1	277.4	273.0	350.3	266.5	346.3	450.8	421.2	10.1	19.9	27.8	25.6	28.1	39.0	36.4
SUBTOTAL	125.0	126.2	141.1	143.9	196.0	241.4	203.8	301.9	293.5	374.4	295.0	388.4	505.4	477.5	16.6	25.3	32.8	33.3	35.7	55.3	50.5
MANUFACTURED PRODUCTS																					
WEARING APPAREL [c]	273.6	374.9	437.1	486.5	576.0	688.9	798.1	175.9	392.4	504.0	510.5	622.8	759.5	895.5	27.3	40.6	40.9	46.4	58.8	80.8	137.0
INDUSTRIAL [d]	7.3	0.6	0.3	1.1	1.3	0.4	0.9	7.7	6.8	8.8	10.0	14.3	37.6	32.4	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS [e] }	28.1	41.9	60.6	66.5	296.1	411.3	394.2	34.2	45.1	59.5	67.0	78.0	138.9	169.7	12.3	15.2	18.5	19.6	34.8	52.1	60.8
ALL OTHER [f]								14.1	18.4	15.2	14.7	31.9	23.4	38.6	2.2	1.1	0.9	0.8	2.6	1.2	0.6
SUBTOTAL	309.0	417.4	498.0	554.1	873.4	1100.6	1193.2	231.9	462.7	587.5	602.2	747.0	959.4	1136.2	41.8	56.9	60.3	66.8	96.2	134.1	198.4
TOTAL IMPORTS	434.0	543.6	639.1	698.0	1069.4	1342.0	1397.0	533.8	756.2	961.9	897.2	1135.4	1464.8	1613.7	58.4	82.2	93.1	100.1	131.9	189.4	248.9
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC [a]	26.5	44.6	62.2	40.2	35.3	38.5	50.9	20.6	29.7	38.1	30.1	31.2	20.0	25.8	16.1	4.1	3.6	4.9	4.0	2.7	9.3
CLOTH [g]	129.4	212.5	256.4	174.8	148.6	152.6	158.6	190.7	223.9	127.7	84.8	59.4	64.5	82.2	0.9	1.2	1.9	1.4	1.1	1.4	1.6
SUBTOTAL	155.9	257.1	318.6	215.0	183.9	191.1	209.5	211.3	253.6	165.8	114.9	90.6	84.5	108.0	17.0	5.3	5.5	6.3	5.1	4.1	10.9
MANUFACTURED PRODUCTS																					
WEARING APPAREL	23.2	62.2	120.7	75.2	70.8	79.4	65.2	35.4	90.6	123.0	80.0	72.1	68.2	55.4	2.0	6.2	4.0	2.9	3.0	2.7	3.9
INDUSTRIAL [d]	13.1	65.5	48.1	27.8	23.2	31.3	30.2	18.8	23.7	17.5	14.3	11.6	14.4	16.5	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS [h]	30.7	65.9	84.2	65.9	10.7	102.9	81.9	27.0	39.1	38.7	28.3	31.6	36.9	30.4	2.0	1.4	0.3	0.2	9.3	6.5	3.3
ALL OTHER [i]	40.4	55.3	66.1	54.6	172.1	83.3	73.5	25.1	20.8	22.3	15.9	13.7	0.6	0.4	1.6	2.0	2.0	1.4	1.5	1.8	1.2
SUBTOTAL	107.4	248.9	319.1	223.5	276.8	296.9	250.8	106.3	174.2	201.5	138.5	129.0	120.1	102.7	5.6	9.6	6.3	4.5	13.8	11.0	8.4
TOTAL EXPORTS	263.3	506.0	637.7	438.5	460.7	488.0	460.3	317.6	427.8	367.3	253.4	219.6	204.6	210.7	22.6	14.9	11.8	10.8	18.9	15.1	19.3
NET EXPORTS (+) OR NET WORTH (-)	-170.7	-37.6	-1.4	-259.5	-608.7	-854.0	-936.7	-216.2	-328.4	-594.6	-643.8	-915.8	-1260.2	-1403.0	-35.8	-67.3	-81.3	-89.3	-113.0	-174.3	-229.6

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8, & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 54 of the March 1986 ***Textile Organon.***

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber includes imports of soft-sided luggage. For those years the poundages were, respectively, 180.5, 228.0, 157.4 for man-made fiber and 14.1, 18.7 & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 5:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER MANUFACTURES

MILLION POUNDS

COMMODITY	1985 REVISED												YEAR	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	6.0	4.4	6.6	5.6	8.9	7.9	6.9	5.8	7.4	4.9	5.7	4.6	74.7	71.0
CLOTH[b]	15.4	13.9	17.0	7.3	11.0	11.3	10.5	8.4	11.4	8.9	7.1	6.9	129.1	170.4
SUBTOTAL	**21.4**	**18.3**	**23.6**	**12.9**	**19.9**	**19.2**	**17.4**	**14.2**	**18.8**	**13.8**	**12.8**	**11.5**	**203.8**	**241.4**
MANUFACTURED PRODUCTS														
WEARING APPAREL[c]	50.4	63.8	59.0	48.1	67.8	73.1	88.0	73.9	83.5	70.1	61.5	58.9	798.1	688.9
INDUSTRIAL[d]	0.1	0.1	0.1	0.1	+	+	+	0.1	0.1	0.1	0.1	0.1	0.9	0.4
HOME FURNISHINGS[e] ALL OTHER[f]	24.0	33.9	33.2	29.2	34.0	31.3	31.1	30.3	40.9	36.6	36.1	33.6	394.2	411.3
SUBTOTAL	**74.5**	**97.8**	**92.3**	**77.4**	**101.8**	**104.4**	**119.1**	**104.3**	**124.5**	**106.8**	**97.7**	**92.6**	**1193.2**	**1100.6**
TOTAL IMPORTS	**95.9**	**116.1**	**115.9**	**90.3**	**121.7**	**123.6**	**136.5**	**118.5**	**143.3**	**120.6**	**110.5**	**104.1**	**1397.0**	**1342.0**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	3.5	3.3	4.4	3.3	7.9	3.4	3.2	5.1	3.7	4.8	4.6	3.7	50.9	38.5
CLOTH[g]	11.9	9.0	13.7	12.5	12.7	14.0	14.5	14.7	16.3	13.5	15.2	10.6	158.6	152.6
SUBTOTAL	**15.4**	**12.3**	**18.1**	**15.8**	**20.6**	**17.4**	**17.7**	**19.8**	**20.0**	**18.3**	**19.8**	**14.3**	**209.5**	**191.1**
MANUFACTURED PRODUCTS														
WEARING APPAREL	4.4	4.2	5.6	6.4	5.8	4.7	5.2	5.6	5.6	6.3	6.5	4.9	65.2	79.4
INDUSTRIAL[d]	1.7	2.5	2.3	1.5	2.5	3.4	2.5	2.7	3.1	2.6	2.1	3.3	30.2	31.3
HOME FURNISHINGS[h]	9.1	4.1	9.3	8.5	6.7	7.9	7.0	6.6	5.8	5.9	5.2	5.8	81.9	102.9
ALL OTHER[i]	6.6	6.1	7.2	6.2	6.9	6.5	5.7	7.6	5.2	5.6	4.8	5.1	73.5	83.3
SUBTOTAL	**21.8**	**16.9**	**24.4**	**22.6**	**21.9**	**22.5**	**20.4**	**22.5**	**19.7**	**20.4**	**18.6**	**19.1**	**250.8**	**296.9**
TOTAL EXPORTS	**37.2**	**29.2**	**42.5**	**38.4**	**42.5**	**39.9**	**38.1**	**42.3**	**39.7**	**38.7**	**38.4**	**33.4**	**460.3**	**488.0**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	2.5 I	1.1 I	2.2 I	2.3 I	1.0 I	4.5 I	3.7 I	0.7 I	3.7 I	0.1 I	1.1 I	0.9 I	23.8 I	32.5 I
CLOTH	3.5 I	4.9 I	3.3 I	5.2 E	1.7 E	2.7 E	4.0 E	6.3 E	4.9 E	4.6 E	8.1 E	3.7 E	29.5 E	17.8 I
SUBTOTAL	**6.0 I**	**6.0 I**	**5.5 I**	**2.9 E**	**0.7 E**	**1.8 I**	**0.3 E**	**5.6 E**	**1.2 E**	**4.5 E**	**7.0 E**	**2.8 E**	**5.7 E**	**50.3 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	46.0 I	59.6 I	53.4 I	41.7 I	62.0 I	68.4 I	82.8 I	68.3 I	77.9 I	63.8 I	55.0 I	54.0 I	732.9 I	609.5 I
INDUSTRIAL	1.6 E	2.4 E	2.2 E	1.4 E	2.5 E	3.4 E	2.5 E	2.6 E	3.0 E	2.5 E	2.0 E	3.2 E	29.3 E	30.9 E
HOME FURNISHINGS ALL OTHER	8.3 I	23.7 I	16.7 I	14.5 I	20.4 I	16.9 I	18.4 I	16.1 I	29.9 I	25.1 I	26.1 I	22.7 I	238.8 I	225.1 I
SUBTOTAL	**52.7 I**	**80.9 I**	**67.9 I**	**54.8 I**	**79.9 I**	**81.9 I**	**98.7 I**	**81.8 I**	**104.8 I**	**86.4 I**	**79.1 I**	**73.5 I**	**942.4 I**	**803.7 I**
TOTAL BALANCE	**58.7 I**	**86.9 I**	**73.4 I**	**51.9 I**	**79.2 I**	**83.7 I**	**98.4 I**	**76.2 I**	**103.6 I**	**81.9 I**	**72.1 I**	**70.7 I**	**936.7 I**	**854.0 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*.

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8 & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 54 of the March 1986 ***Textile Organon.***

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber include imports of soft-sided luggage. For those years the poundages were, respectively, 180.5, 228.0 & 157.4 for man-made fiber, and 14.1, 18.7 & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 6:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF COTTON MANUFACTURES

MILLION POUNDS

	1985 REVISED													
COMMODITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	2.7	3.8	3.5	4.4	4.1	4.0	5.3	4.0	5.4	5.9	7.1	6.1	56.3	54.6
CLOTH[b]	26.3	37.1	37.8	31.9	39.8	33.7	32.1	29.3	36.8	37.8	38.5	40.1	421.2	450.8
SUBTOTAL	**29.0**	**40.9**	**41.3**	**36.3**	**43.9**	**37.7**	**37.4**	**33.3**	**42.2**	**43.7**	**45.6**	**46.2**	**477.5**	**505.4**
MANUFACTURED PRODUCTS														
WEARING APPAREL[c]	64.2	77.7	78.7	59.3	73.2	75.6	87.5	72.4	85.1	72.0	74.5	75.3	895.5	759.5
INDUSTRIAL[d]	3.9	3.8	4.5	3.5	3.7	3.5	4.0	2.9	0.7	0.6	0.5	0.8	32.4	37.6
HOME FURNISHINGS[e]	12.5	13.6	15.5	12.4	15.2	13.5	13.2	12.7	17.5	13.5	14.9	15.2	169.7	138.9
ALL OTHER[f]	2.7	2.1	3.0	2.5	3.5	3.7	2.8	2.8	2.8	2.7	6.3	3.7	38.6	23.4
SUBTOTAL	**83.3**	**97.2**	**101.7**	**77.7**	**95.6**	**96.3**	**107.5**	**90.8**	**106.1**	**88.8**	**96.2**	**95.0**	**1136.2**	**959.4**
TOTAL IMPORTS	**112.3**	**138.1**	**143.0**	**114.0**	**139.5**	**134.0**	**144.9**	**124.1**	**148.3**	**132.5**	**141.8**	**141.2**	**1613.7**	**1464.8**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	1.7	1.5	1.9	2.0	2.1	2.5	1.4	2.4	5.5	1.8	1.6	1.4	25.8	20.0
CLOTH[g]	7.5	6.0	7.9	8.3	6.3	6.7	6.3	8.1	6.5	6.8	6.0	5.8	82.2	64.5
SUBTOTAL	**9.2**	**7.5**	**9.8**	**10.3**	**8.4**	**9.2**	**7.7**	**10.5**	**12.0**	**8.6**	**7.6**	**7.2**	**108.0**	**84.5**
MANUFACTURED PRODUCTS														
WEARING APPAREL	4.0	4.5	5.2	5.9	4.5	3.7	3.8	4.3	4.6	5.2	5.8	3.9	55.4	68.2
INDUSTRIAL[d]	1.1	1.2	1.6	1.7	1.2	1.5	1.0	1.6	1.2	1.7	1.4	1.3	16.5	14.4
HOME FURNISHINGS[h]	2.8	2.7	2.4	2.3	2.6	2.7	2.5	2.4	2.2	2.6	2.6	2.6	30.4	36.9
ALL OTHER[i]	0.1	+	+	+	+	0.1	+	+	+	+	0.1	0.1	0.4	0.6
SUBTOTAL	**8.0**	**8.4**	**9.2**	**9.9**	**8.3**	**8.0**	**7.3**	**8.3**	**8.0**	**9.5**	**9.9**	**7.9**	**102.7**	**120.1**
TOTAL EXPORTS	**17.2**	**15.9**	**19.0**	**20.2**	**16.7**	**17.2**	**15.0**	**18.8**	**20.0**	**18.1**	**17.5**	**15.1**	**210.7**	**204.6**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	1.0 I	2.3 I	1.6 I	2.4 I	2.0 I	1.5 I	3.9 I	1.6 I	0.1 E	4.1 I	5.5 I	4.7 I	30.5 I	34.6 I
CLOTH	18.8 I	31.1 I	29.9 I	23.6 I	33.5 I	27.0 I	25.8 I	21.2 I	30.3 I	31.0 I	32.5 I	34.3 I	339.0 I	386.3 I
SUBTOTAL	**19.8 I**	**33.4 I**	**31.5 I**	**26.0 I**	**35.5 I**	**28.5 I**	**29.7 I**	**22.8 I**	**30.2 I**	**35.1 I**	**38.0 I**	**39.0 I**	**369.5 I**	**420.9 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	60.2 I	73.2 I	73.5 I	53.4 I	68.7 I	71.9 I	83.7 I	68.1 I	80.5 I	66.8 I	68.7 I	71.4 I	840.1 I	691.3 I
INDUSTRIAL	2.8 I	2.6 I	2.9 I	1.8 I	2.5 I	2.0 I	3.0 I	1.3 I	0.5 E	1.1 E	0.9 E	0.5 E	15.9 I	23.2 I
HOME FURNISHINGS	9.7 I	10.9 I	13.1 I	10.1 I	12.6 I	10.8 I	10.7 I	10.3 I	15.3 I	10.9 I	12.3 I	12.6 I	139.3 I	102.0 I
ALL OTHER	2.6 I	2.1 I	3.0 I	2.5 I	3.5 I	3.6 I	2.8 I	2.8 I	2.8 I	2.7 I	6.2 I	3.6 I	38.2 I	22.8 I
SUBTOTAL	**75.3 I**	**88.8 I**	**92.5 I**	**67.8 I**	**87.3 I**	**88.3 I**	**100.2 I**	**82.5 I**	**98.1 I**	**79.3 I**	**86.3 I**	**87.1 I**	**1033.5 I**	**839.3 I**
TOTAL BALANCE	**95.1 I**	**122.2 I**	**124.0 I**	**93.8 I**	**122.8 I**	**116.8 I**	**129.9 I**	**105.3 I**	**128.3 I**	**114.4 I**	**124.3 I**	**126.1 I**	**1403.0 I**	**1260.2 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation*.

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8 & 158.9.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 54 of the March 1986 ***Textile Organon***.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber include imports of soft-sided luggage. For those years the poundages were, respectively, 180.5, 228.0 & 157.4 for man-made fiber, and 14.1, 18.7 & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 7:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	1985 REVISED												YEAR	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1985	1984
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	1.1	1.1	1.3	1.0	1.5	1.3	1.3	1.1	1.4	1.1	0.9	1.0	14.1	16.3
CLOTH[b]	2.1	2.3	3.9	3.6	4.9	4.8	3.8	3.0	2.8	2.1	1.6	1.5	36.4	39.0
SUBTOTAL	**3.2**	**3.4**	**5.2**	**4.6**	**6.4**	**6.1**	**5.1**	**4.1**	**4.2**	**3.2**	**2.5**	**2.5**	**50.5**	**55.3**
MANUFACTURED PRODUCTS														
WEARING APPAREL[c]	5.7	5.8	5.9	5.6	9.6	12.8	19.7	18.6	21.0	15.7	10.0	6.6	137.0	80.8
INDUSTRIAL[d]	NOMINAL POUNDAGES INCLUDED IN OTHER													
HOME FURNISHINGS[e]	5.0	5.1	5.9	5.4	5.0	4.6	4.1	4.6	4.9	5.8	5.0	5.4	60.8	52.1
ALL OTHER[f]	+	+	+	+	+	+	+	+	0.2	0.1	0.2	0.1	0.6	1.2
SUBTOTAL	**10.7**	**10.9**	**11.8**	**11.0**	**14.6**	**17.4**	**23.8**	**23.2**	**26.1**	**21.6**	**15.2**	**12.1**	**198.4**	**134.1**
TOTAL IMPORTS	**13.9**	**14.3**	**17.0**	**15.6**	**21.0**	**23.5**	**28.9**	**27.3**	**30.3**	**24.8**	**17.7**	**14.6**	**248.9**	**189.4**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.[a]	0.4	0.3	0.3	0.6	0.7	0.9	2.0	0.9	0.8	1.0	0.7	0.7	9.3	2.7
CLOTH[g]	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	1.6	1.4
SUBTOTAL	**0.6**	**0.4**	**0.4**	**0.8**	**0.9**	**1.0**	**2.2**	**1.0**	**0.9**	**1.1**	**0.8**	**0.8**	**10.9**	**4.1**
MANUFACTURED PRODUCTS														
WEARING APPAREL	0.3	0.2	0.4	0.4	0.6	0.4	0.4	0.3	0.2	0.2	0.3	0.2	3.9	2.7
INDUSTRIAL[d]	NOMINAL POUNDAGES INCLUDED IN OTHER													
HOME FURNISHINGS[h]	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.2	3.3	6.5
ALL OTHER[i]	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	1.8
SUBTOTAL	**0.7**	**0.5**	**0.8**	**0.8**	**1.0**	**0.8**	**0.8**	**0.7**	**0.6**	**0.5**	**0.7**	**0.5**	**8.4**	**11.0**
TOTAL EXPORTS	**1.3**	**0.9**	**1.2**	**1.6**	**1.9**	**1.8**	**3.0**	**1.7**	**1.5**	**1.6**	**1.5**	**1.3**	**19.3**	**15.1**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, ETC.	0.7 I	0.8 I	1.0 I	0.4 I	0.8 I	0.4 I	0.7 E	0.2 I	0.6 I	0.1 I	0.2 I	0.3 I	4.8 I	13.6 I
CLOTH	1.9 I	2.2 I	3.8 I	3.4 I	4.7 I	4.7 I	3.6 I	2.9 I	2.7 I	2.0 I	1.5 I	1.4 I	34.8 I	37.6 I
SUBTOTAL	**2.6 I**	**3.0 I**	**4.8 I**	**3.8 I**	**5.5 I**	**5.1 I**	**2.9 I**	**3.1 I**	**3.3 I**	**2.1 I**	**1.7 I**	**1.7 I**	**39.6 I**	**51.2 I**
MANUFACTURED PRODUCTS														
WEARING APPAREL	5.4 I	5.6 I	5.5 I	5.2 I	9.0 I	12.4 I	19.3 I	18.3 I	20.8 I	15.5 I	9.7 I	6.4 I	133.1 I	78.1 I
INDUSTRIAL[d]	NOMINAL POUNDAGES INCLUDED IN OTHER													
HOME FURNISHINGS	4.7 I	4.9 I	5.6 I	5.1 I	4.7 I	4.3 I	3.8 I	4.3 I	4.6 I	5.6 I	4.7 I	5.2 I	57.5 I	45.6 I
ALL OTHER	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 E	0.1 I	0	0.1 I	0	0.6 E	0.6 E
SUBTOTAL	**10.0 I**	**10.4 I**	**11.0 I**	**10.2 I**	**13.6 I**	**16.6 I**	**23.0 I**	**22.5 I**	**25.5 I**	**21.1 I**	**14.5 I**	**11.6 I**	**190.0 I**	**123.1 I**
TOTAL BALANCE	**12.6 I**	**13.4 I**	**15.8 I**	**14.0 I**	**19.1 I**	**21.7 I**	**25.9 I**	**25.6 I**	**28.8 I**	**23.2 I**	**16.2 I**	**13.3 I**	**229.6 I**	**174.3 I**

SOURCE: U.S. Department of Agriculture, *Cotton and Wool Outlook & Situation.*

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1985 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0, 166.2, 83.1, 106.8 & 158.9.

includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 page 54 of the March 1986 ***Textile Organon.***

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel. For 1983, 1984 & 1985, cotton and man-made fiber include imports of soft-sided luggage. For those years the poundages were, respectively, 180.5, 228.0 & 157.4 for man-made fiber, and 14.1, 18.7 & 8.2 for cotton.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

TABLE 8:
U.S. PRODUCTION OF HOSIERY, 1972 - 1985

MILLION DOZEN PAIRS

ITEM	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
WOMEN'S														
PANTYHOSE - SHEER	76.0	68.9	54.4	51.6	55.1	47.6	44.6	55.3	57.3	59.6	58.5	64.0	67.1	57.9
- ELASTOMER	2.3	3.8	4.7	8.8	13.8	19.4	27.7	33.2	36.7	42.5	43.2	47.6	39.4	49.0
- OTHER [a]	2.6	2.3	0.9	0.9	1.5	1.7	1.6	2.4	2.0	2.4	3.4	5.0	7.4	7.3
SUBTOTAL PANTYHOSE	**80.9**	**75.0**	**60.0**	**61.3**	**70.4**	**68.7**	**73.9**	**90.9**	**96.0**	**104.5**	**105.1**	**116.6**	**113.9**	**114.2**
STOCKINGS - NONSTRETCH	8.5	7.7	5.9	4.5	3.7	3.0	2.6	2.4	2.0	1.8	1.5	1.5	1.3	1.2
- STRETCH	7.1	6.6	6.1	3.5	2.8	2.4	2.8	2.7	2.4	2.1	2.4	2.7	2.5	2.2
- SUPPORT	0.9	0.8	0.8	0.7	0.9	1.0	1.0	0.7	0.7	0.6	0.5	0.6	0.4	0.4
- OTHER	0.7	0.5	0.4	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	+	+	0.1
SUBTOTAL STOCKINGS	**17.2**	**15.6**	**13.2**	**8.8**	**7.5**	**6.6**	**6.5**	**6.0**	**5.2**	**4.6**	**4.5**	**4.8**	**4.2**	**3.9**
SHEER KNEE-HIGHS & ANKLETS	4.6	9.3	15.5	27.6	35.9	35.3	30.5	44.8	38.4	42.6	38.1	40.3	44.0	42.2
TOTAL WOMEN'S	**102.7**	**99.9**	**88.7**	**97.7**	**113.8**	**110.6**	**110.9**	**141.7**	**139.6**	**151.7**	**147.7**	**161.7**	**162.1**	**160.3**
MEN'S (sizes 10 and up)														
ANKLETS & FOOTSOCKS	52.9	52.9	53.9	51.2	51.5	50.7	51.7	43.7	27.9	27.8	27.1	27.2	26.8	26.0
MID CALF	6.9	6.8	6.1	6.3	7.7	9.5	11.3	12.5	17.4	19.9	17.3	17.8	17.7	17.6
KNEE - HIGHS	3.7	4.0	4.2	5.7	6.8	9.1	13.4	16.0	17.8	20.7	17.6	21.5	23.9	23.8
TOTAL MEN'S	**63.5**	**63.7**	**64.2**	**63.2**	**66.0**	**69.3**	**76.4**	**72.2**	**63.1**	**68.4**	**62.0**	**66.5**	**68.4**	**67.4**
GIRLS', BOYS'& WOMEN'S (sizes 8 -11)														
ANKLETS	21.3	22.2	20.7	20.7	21.3	20.3	18.5	19.6	12.5	14.6	11.9	17.3	19.5	19.4
KNEE-HIGHS	14.2	15.0	16.1	16.8	19.4	21.9	20.6	22.1	24.3	29.8	23.4	25.7	20.2	17.0
MID-CALF/CREW }	NA	NA	NA	NA	NA	NA	NA	NA	3.1	4.5	4.0	4.9	4.5	6.2
WAIST-HIGHS									0.3	0.5	0.5	0.5	0.5	0.6
FOOTSOCKS	4.5	4.0	4.6	4.4	5.7	6.8	7.6	6.7	8.6	9.4	6.5	5.8	5.2	6.1
TOTAL GIRLS', BOYS' & WOMEN'S	**40.0**	**41.2**	**41.4**	**41.9**	**46.4**	**49.0**	**46.7**	**48.4**	**48.8**	**58.8**	**46.3**	**54.2**	**49.9**	**49.3**
INFANTS' & CHILDRENS'S (SIZES 3-8 1/2)														
ANKLETS	17.3	17.9	17.3	17.3	21.3	21.4	22.1	22.1	19.3	20.5	16.1	16.5	15.5	14.2
KNEE-HIGHS	3.6	4.1	4.2	4.1	5.5	6.1	6.4	8.5	6.6	7.7	6.7	6.9	5.8	4.6
MID-CALF	NA	NA	NA	NA	NA	NA	NA	NA	1.3	1.2	1.4	1.4	3.6	5.7
WAIST-HIGHS & FOOTSOCKS	0.8	0.6	0.6	0.6	0.9	1.0	1.3	1.6	1.6	1.8	1.6	2.2	2.3	1.8
TOTAL INFANTS' & CHILDREN'S	**21.7**	**22.6**	**22.1**	**22.0**	**27.7**	**28.5**	**29.8**	**32.2**	**28.8**	**31.2**	**25.8**	**27.0**	**27.2**	**26.3**
TOTAL HOSIERY	**227.9**	**227.4**	**216.4**	**224.8**	**253.9**	**257.4**	**263.8**	**294.5**	**280.3**	**310.1**	**281.8**	**309.4**	**307.6**	**303.3**

SOURCE: National Association of Hosiery Manufactures - ***1985 Hosiery Statistics.***

+ Means nominal poundage.

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TRADE BAROMETER

MAN-MADE FIBER TRADE SINKS TO ITS LOWEST LEVEL IN TWO YEARS

The U.S. man-made fiber balance of trade dwindled in June as the net-export balance of trade tumbled to16.6 million pounds, down 65% from the 37.0 million pound export balance in May. Declining exports and rising imports of man-made fiber resulted in the diminishing trade balance. Exports of fiber totaled 49.5 million pounds, down 25.5% from the 66.4 million pounds exported in May. Imports of fiber reached to 32.8 million pounds in June, an increase of12% from the 29.3 million pounds imported last month. The trade balance in June is 64.1% below that of June 1985. Exports in June are over 35% below the level of last June, while imports improved by over 7% during the same period.

JUNE DETAIL

The balance of trade for noncellulosic yarn+monofilaments eroded in June due to rising imports and declining exports. Exports fell by 35% and imports increased nearly 25%.

The noncellulosic staple+tow balance of trade declined in June as exports dropped by 20% and imports rose over 3%.

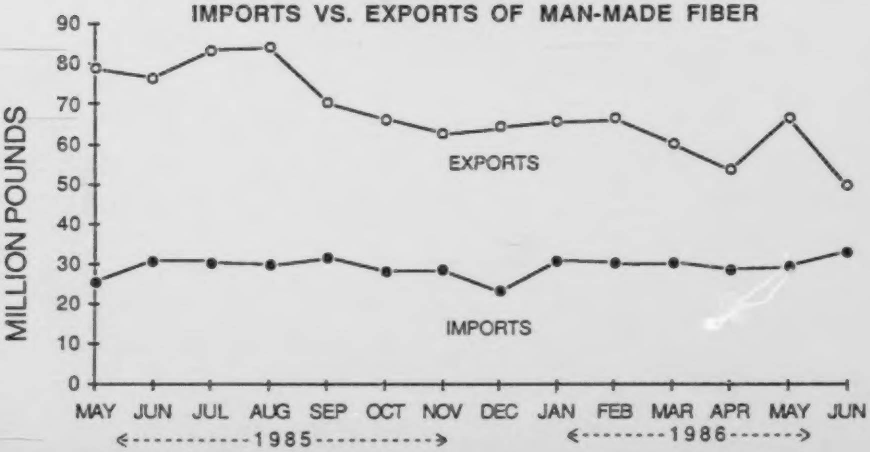
Products to note in June:

- Nylon textured yarn. Imports soared by over 120%.
- Polyester staple. Imports gained nearly 19%.
- Nylon waste. Imports rose by 54%.
- Polyester textured yarn. Exports dropped over 72%.
- Rayon staple+tow. Exports fell by almost 31%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ***ORGANON.***

GRAPH 4:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 5:
MAN-MADE FIBER TRADE BALANCE DETAIL

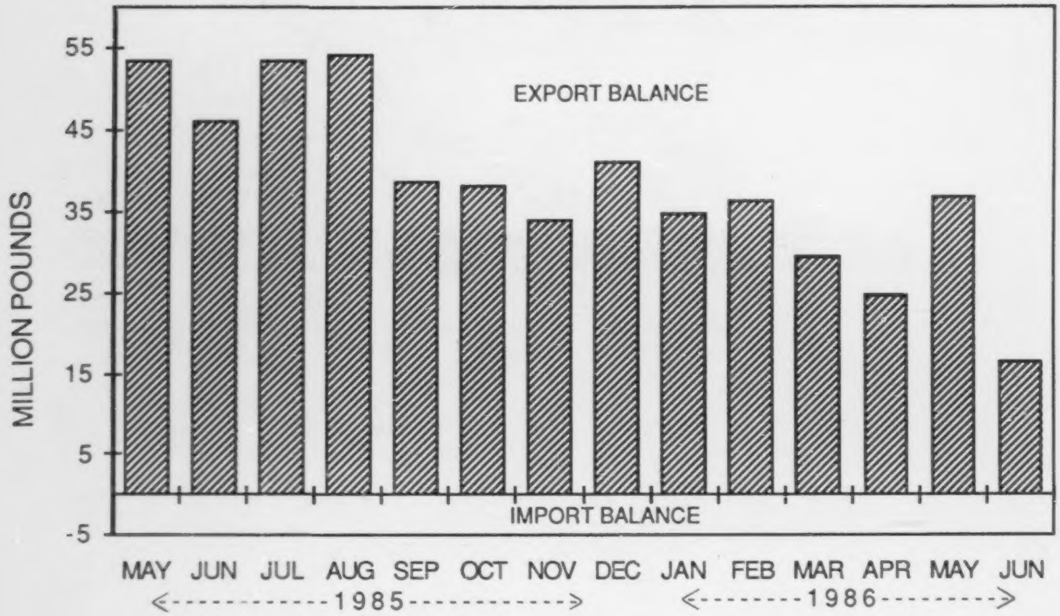


TABLE 9:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985								1986					
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
CELLULOSIC YARN+MONOFILAMENTS	0.1 I	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I	0.1 I	0.7 I
CELLULOSIC STAPLE+TOW	1.5 E	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E	0.4 I	1.4 E	0.4 E
NONCELLULOSIC YARN+MONOFILAMENTS	20.9 E	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E	13.6 E	20.0 E	7.1 E
NONCELLULOSIC STAPLE+TOW	29.0 E	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E	4.0 E	8.6 E	4.0 E
CELLULOSIC WASTE	0.1 E	0.1 E	+	+	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E	0.3 E	0.1 E	0.1 E
NONCELLULOSIC WASTE	2.1 E	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E	8.3 E	7.0 E	5.7 E
TOTAL	53.5 E	46.2 E	53.6 E	54.5 E	38.7 E	38.2 E	34.1 E	41.1 E	34.8 E	36.3 E	29.6 E	24.9 E	37.0 E	16.6 E

I means net-import balance.
E means net-export balance.

TABLE 10:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1986												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0							191	355
CANADA	200	420	226	302	698	431							2277	1031
GERMANY, FED. REP. OF	482	284	783	594	22	494							2659	2664
JAPAN	95	41	50	25	35	26							272	312
MEXICO	81	114	0	62	0	0							257	494
NETHERLANDS	195	181	167	233	34	179							989	627
REP. OF KOREA	80	60	80	80	0	60							360	161
ALL OTHER COUNTRIES [a]	160	146	136	265	95	118							920	272
TOTAL CELLULOSIC YARN	1375	1302	1442	1614	884	1308							7925	5916
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150							890	209
CANADA	777	981	724	948	764	620							4814	3429
JAPAN	143	75	128	108	108	89							651	299
MEXICO	310	0	109	123	41	142							725	0
UNITED KINGDOM	105	39	80	69	42	40							375	777
ALL OTHER COUNTRIES [b]	11	0	268	10	105	297							691	1859
TOTAL CELLULOSIC STAPLE+TOW	1605	1095	1526	1384	1198	1338							8146	6573
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18							75	92
AUSTRIA	113	7	115	4	150	47							436	494
BELGIUM	1152	1901	531	297	449	1550							5880	3751
BRAZIL	1	56	0	0	6	0							63	214
CANADA	1282	338	857	1384	1239	1598							6698	6247
COSTA RICA	480	430	349	608	736	647							3250	68
FRANCE	405	689	679	249	493	456							2971	2332
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022							10502	10317
ISRAEL	413	277	316	226	179	239							1650	1196
ITALY	790	529	1158	895	1083	1331							5786	6171
JAPAN	646	553	1019	693	895	758							4564	3911
MEXICO	128	917	1223	931	928	431							4558	4235
NETHERLANDS	74	213	29	6	255	249							826	362
SOUTH AFRICA	853	866	532	631	565	143							3590	5548
SWITZERLAND	74	74	1	2	224	59							434	165
TAIWAN	36	39	47	144	111	32							409	121
UNITED KINGDOM	573	510	352	307	454	581							2777	3852
YUGOSLAVIA	85	0	0	0	0	0							85	1172
ALL OTHER COUNTRIES [c]	47	218	192	215	172	145							989	905
TOTAL NONCELLULOSIC YARN	8347	8832	8828	7368	9862	12306							55543	51153
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41							265	329
BRAZIL	35	60	22	0	0	161							278	2834
CANADA	2650	1831	1430	1882	1977	1812							11582	12181
COSTA RICA	31	44	0	0	0	0							75	1196
FRANCE	996	984	984	761	888	782							5395	4544
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524							16907	11521
ISRAEL	42	81	48	80	28	44							323	522
ITALY	1237	1748	1504	1525	721	1345							8080	6012
JAPAN	1919	1523	2265	1431	1515	2286							10939	10584
MEXICO	1025	1105	1011	1249	1599	832							6821	4034
NETHERLANDS	20	0	+	43	0	0							63	232
REP. OF KOREA	492	355	551	88	343	650							2479	2121
ROMANIA	210	88	158	0	438	0							894	430
SOUTH AFRICA	80	88	0	25	53	53							299	286
SWITZERLAND	137	0	23	48	88	96							392	305
TAIWAN	2105	1587	2111	1961	1272	1380							10416	7958
UNITED KINGDOM	1819	2340	2151	2271	1800	2008							12389	6759
ALL OTHER COUNTRIES [d]	116	330	216	222	326	164							1374	697
TOTAL NONCELLULOSIC STAPLE+TOW	16044	14909	15083	14619	14138	14178							88971	72545

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 238, China, PRC 2, France 47, Ireland 319, Israel 28, Italy 5, Taiwan 58, Thailand 17, United Kingdom 108, Yugoslavia 50.

b. France 6, Germany, Federal Rep. of 93, Hong Kong 6, Italy 96, Sweden 445, Taiwan 45.

c. Chile 88, Colombia 73, Denmark 61, Dominican Rep. +, Egypt +, Greece +, Hong Kong +, Hungary 48, India +, Ireland 158, Korea, Rep. of 153, Norway 1, Philippines +, Romania 147, Singapore 58, Somalia 36, Spain +, Sweden 166.

d. Australia 235, Austria 177, China, PRC 117, Denmark 59, Finland 18, Greece 12, Hong Kong 27, Ireland 85, Kenya 31, Malaysia 96, Philippines 1, Sweden 87, Thailand 138, Turkey 51, Yugoslavia 240.

TABLE 11:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123	31							241	79
OTHER	310.0130 & .0230[a]	1309	1180	1318	1488	628	1160							7083	5574
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4	0							15	16
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117							586	245
SUBTOTAL ABOVE		**1375**	**1302**	**1442**	**1614**	**884**	**1308**							**7925**	**5916**
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183							7519	6033
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155							627	540
SUBTOTAL ABOVE		**1605**	**1095**	**1526**	**1384**	**1198**	**1338**							**8146**	**6573**
WASTE, ADVANCED&NOT ADVANCED	**309.6615 & .7510**	**+**	**0**	**+**	**33**	**+**	**43**							**76**	**210**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252							1487	13048
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096							12445	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380							5917	8939
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059	1829							9499	6557
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752							9392	11349
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512	2269							12311	8457
- OTHER	310.0170 & .0270[b]	483	225	438	400	403	409							2358	1133
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218	196	202							1414	1115
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117							720	555
SUBTOTAL ABOVE		**8347**	**8832**	**8828**	**7368**	**9862**	**12306**							**55543**	**51153**
STAPLE - NYLON	309.4338	3716	4331	3835	4107	3294	3188							22471	16753
- POLYESTER	309.4342	2725	3058	3474	2831	2760	3278							18126	13164
- ACRYLIC	309.4345	1473	822	887	1202	1542	1262							7188	7008
- OLEFIN	309.4346	623	222	149	28	107	194							1323	2211
- OTHER	309.4355	2666	1949	1613	1881	178	820							10407	12071
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555							20015	14220
POLYESTER	309.3040 & .3340	147	150	204	84	197	108							890	1993
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393							6837	4157
OTHER	309.3065 & .3365	341	203	141	285	364	380							1714	968
SUBTOTAL ABOVE		**16044**	**14909**	**15083**	**14619**	**14138**	**14178**							**88971**	**72545**
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304							11394	16601
- POLYESTER	309.6630	560	403	465	827	511	434							3200	4691
- ACRYLIC	309.6645	0	0	6	0	19	0							25	88
- OTHER	309.6660	892	813	256	748	922	692							4323	743
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0							121	93
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253	246							2008	1727
SUBTOTAL ABOVE		**3381**	**3871**	**3414**	**3470**	**3259**	**3676**							**21071**	**23943**
TOTAL MAN-MADE ABOVE		30752	30009	30293	28488	29341	32849							181732	160340
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	30	0	0	0	0							30	1
- NONCELLULOSIC	310.1015[d] & .1109[e]	1309	1305	586	1260	62	543							5695	3871
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	11	+	+	11	2							26	246
- NONCELLULOSIC	310.1050 & .1070[g]	33	59	49	63	54	24							282	2952
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182	232	282							1183	766
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597	3591	4132							20641	17697
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	630	1278	1957	1713							6388	4123
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387	411	495							2546	4116
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240	271							1751	1379
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221	1883	1891							13870	16884
GRAND TOTAL ABOVE		37875	38884	39069	37702	38412	42202							234144	212375

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nomimal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

j. Also includes 310.9300 & .9500

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 12:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5	22	3	4							37	47
OTHER[b]	310.0026	483	499	712	729	742	573							3736	4177
MONOFILAMENTS	309.0110	18	3	22	8	1	0							52	64
STRIPS	309.2210	0	0	1	1	12	0							14	7
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**	**577**							**3841**	**4295**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402	1665							14932	19873
STAPLE-ACETATE	309.4219	175	102	162	223	208	64							934	783
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**	**1729**							**15866**	**20656**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**68**	**233**	**157**	**303**	**126**	**171**							**1058**	**743**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066	2230							11672	12909
- HIGH TENACITY[c]	310.0027	5757	6837	5805	5895	5786	5273							35353	34364
- OTHER	310.0029	638	1276	1238	867	425	849							5293	4873
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265	4250							51173	59513
- HIGH TENACITY[c]	310.0032	1952	1435	1252	2765	2717	2942							13063	12280
- OTHER[d]	310.0034	735	128	90	189	151	341							1634	5150
OTHER - TEXTURED	310.0014	8990	916	1023	1116	906	1433							14384	3407
- OLEFIN	310.0040	67	951	84	119	87	45							1353	250
- OTHER	310.0044	212	600	479	524	742	400							2957	4843
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437	561							2506	1276
POLYESTER[e]	309.0140	663	503	340	535	589	432							3062	3077
OTHER	309.0170	283	450	537	418	373	292							2353	5899
STRIPS	309.2220 & .2270	320	283	194	221	362	379							1759	2370
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20953**	**29906**	**19427**							**146562**	**150211**
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348	1272							7089	5186
- POLYESTER	309.4242	8164	8395	6714	6651	9885	8676							48485	109001
- ACRYLIC	309.4245	8607	7909	4248	4524	5220	3756							34264	73623
- OLEFIN	309.4246	1844	1327	1269	1105	437	623							6605	3903
- OTHER	309.4247	1124	2228	1796	1208	1324	1154							8834	5456
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987	226							3313	1537
POLYESTER[d]	309.3240	1997	2797	1950	1832	280	1339							10195	15246
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280	1117							13590	15411
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**	**18163**							**132375**	**228739**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	299	806	408	628	785	387							3313	1537
- POLYESTER	309.7630	3848	5678	4934	7109	5390	4966							31925	19348
- ACRYLIC	309.7640	569	624	1080	228	399	824							3724	2027
- OTHER	309.7660	3831	4801	3139	3779	3701	3241							22492	5815
SUBTOTAL ABOVE		8547	11909	9561	11744	10275	9418							61454	28727
TOTAL MAN-MADE ABOVE		65579	66384	59896	53376	66436	49485							361156	433371
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008	4536							28072	33668
GRAND TOTAL ABOVE		69934	70935	64938	57956	71444	54021							389228	467039

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 13:
QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
CELLULOSIC YARN[f]															
PRODUCTION	**55.2**	**56.0**	**50.0**	**37.0**	**198.2**	**52.8**	**54.5**	**48.4**	**48.9**	**204.6**	**54.3**	**54.7**			
SHIPMENTS - DOMESTIC	48.7	51.9	43.4	36.1	180.1	44.4	48.0	46.6	48.1	187.1	48.6	50.4			
- EXPORT	5.8	4.2	4.4	3.8	18.2	7.3	6.0	4.6	5.1	23.0	4.7	5.1			
TOTAL SHIPMENTS	**54.5**	**56.1**	**47.8**	**39.9**	**198.3**	**51.7**	**54.0**	**51.2**	**53.2**	**210.1**	**53.3**	**55.5**			
ENDING STOCK	**13.2**	**13.1**	**15.3**	**12.4**		**18.9**	**19.4**	**16.6**	**12.3**		**13.3**	**12.5**			
NYLON															
PRODUCTION	**400.9**	**407.9**	**383.3**	**385.2**	**1577.3**	**370.8**	**360.3**	**386.7**	**397.0**	**1514.8**	**396.9**	**396.5**			
SHIPMENTS - DOMESTIC	365.1	370.7	348.9	353.4	1438.1	323.7	353.0	368.9	371.8	1417.4	363.4	368.7			
- EXPORT	29.9	30.1	29.1	30.2	119.3	33.5	25.0	33.3	26.6	118.4	26.7	28.2			
TOTAL SHIPMENTS	**395.0**	**400.8**	**378.0**	**383.6**	**1557.4**	**357.2**	**378.0**	**402.2**	**398.4**	**1535.8**	**390.1**	**396.9**			
ENDING STOCK	**126.7**	**133.8**	**139.1**	**140.7**		**154.3**	**136.6**	**121.1**	**119.7**		**126.5**	**126.1**			
OLEFIN[b]															
PRODUCTION	**178.0**	**184.5**	**171.5**	**213.1**	**747.1**	**231.6**	**251.1**	**234.5**	**237.3**	**954.5**	**245.9**	**253.4**			
SHIPMENTS - DOMESTIC	169.3	180.2	169.6	206.5	725.6	223.6	246.0	234.4	233.6	937.6	241.3	253.8			
- EXPORT	4.3	3.8	4.2	4.2	16.5	3.6	3.8	3.2	2.9	13.5	2.4	2.6			
TOTAL SHIPMENTS	**173.6**	**184.0**	**173.8**	**210.7**	**742.1**	**227.2**	**249.8**	**237.6**	**236.5**	**951.1**	**243.7**	**256.4**			
ENDING STOCK	**60.9**	**61.4**	**59.1**	**61.5**		**65.9**	**67.2**	**64.1**	**64.9**		**67.1**	**64.1**			
POLYESTER															
PRODUCTION	**318.8**	**297.5**	**279.8**	**303.9**	**1200.0**	**316.2**	**340.8**	**345.9**	**318.0**	**1320.9**	**322.2**	**271.5**			
SHIPMENTS - DOMESTIC	291.9	286.1	276.9	290.0	1144.9	290.1	311.6	309.2	293.3	1204.2	284.8	253.5			
- EXPORT	14.1	12.4	9.9	16.8	53.2	17.7	30.6	29.0	31.0	108.3	21.8	23.8			
TOTAL SHIPMENTS	**306.0**	**298.5**	**286.8**	**306.8**	**1198.1**	**307.8**	**342.2**	**338.2**	**324.3**	**1312.5**	**306.6**	**277.3**			
ENDING STOCK	**110.4**	**109.4**	**102.4**	**99.5**		**107.9**	**106.5**	**114.2**	**107.9**		**123.5**	**117.7**			
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	**897.7**	**889.9**	**834.6**	**902.2**	**3524.4**	**918.6**	**952.2**	**967.1**	**952.3**	**3790.2**	**965.0**	**921.4**			
SHIPMENTS - DOMESTIC	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	889.5	876.0			
- EXPORT	48.3	46.3	43.2	51.2	189.0	54.8	59.4	65.5	60.5	240.2	50.9	54.6			
TOTAL SHIPMENTS	**874.6**	**883.3**	**838.6**	**901.1**	**3497.6**	**892.2**	**970.0**	**978.0**	**959.2**	**3799.4**	**940.4**	**930.6**			
ENDING STOCK	**298.0**	**304.6**	**300.6**	**301.7**		**328.1**	**310.3**	**299.4**	**292.5**		**317.1**	**307.9**			
DOMESTIC SHIPMENTS	826.3	837.0	795.4	849.9	3308.6	837.4	910.6	912.5	898.7	3559.2	889.5	876.0			
IMPORTS - TEXTURED YARN[c]	12.4	13.3	12.0	12.3	50.0	16.2	16.2	22.7	17.8	72.9	16.7	17.7			
- OTHER YARN[c]	12.9	13.2	13.9	11.1	51.1	11.9	12.0	9.3	8.4	41.6	11.6	12.8			
- MONOFILAMENTS	1.0	0.7	0.8	0.4	2.9	0.6	0.6	0.5	0.4	2.1	0.8	0.6			
TOTAL IMPORTS	26.3	27.2	26.7	23.8	104.0	28.7	28.8	32.5	26.6	116.6	29.1	31.1			
TOTAL AVAILABLE	**852.6**	**864.2**	**822.1**	**873.7**	**3412.6**	**866.1**	**939.4**	**945.0**	**925.3**	**3675.8**	**918.6**	**907.1**			
						TEXTILE GLASS FIBER									
PRODUCTION	**333.3**	**337.0**	**342.9**	**380.8**	**1394.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**			
SHIPMENTS - DOMESTIC	305.1	340.8	311.0	293.8	1250.7	300.6	NA	NA	NA	NA	NA	NA			
- EXPORT	11.7	14.8	14.9	16.6	58.0	17.3	NA	NA	NA	NA	NA	NA			
TOTAL SHIPMENTS	**316.8**	**355.6**	**325.9**	**310.4**	**1308.7**	**317.9**	**325.5**	**318.8**	**297.3**	**1259.6**	**330.6**	**352.6**			
ENDING STOCK	**141.2**	**122.6**	**139.6**	**210.0**		**NA**	**NA**	**NA**	**NA**		**NA**	**NA**			
IMPORTS	7.8	5.7	5.4	4.2	23.1	7.5	9.4	8.4	9.4	34.7	7.9	6.0			
TOTAL AVAILABLE	**312.9**	**346.5**	**316.4**	**298.0**	**1273.8**	**308.1**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**			

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

NA means no longer available.

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "other" noncellulosic yarn (chiefly saran & spandex) are available annually only; see pages 52 & 53 of the March 1986 issue for further details on these yarns.

b. Also include film fiber as well as spunbonded polypropylene.

c. Includes singles and plied.

d. Acetate staple+tow data are available annually only;' see pages 52 & 53 of the March 1986 issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345, & .4346.

f. 1984 data - Acetate Yarn only.

TABLE 14:
QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1984					1985					1986				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW[d]									
RAYON															
PRODUCTION	**104.0**	**103.7**	**94.0**	**87.5**	**389.2**	**85.6**	**85.8**	**87.2**	**94.1**	**352.7**	**95.1**	**99.7**			
SHIPMENTS - DOMESTIC	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6	92.0			
- EXPORT	11.3	20.3	10.3	10.2	52.1	7.9	13.5	10.0	3.6	35.0	6.3	6.9			
TOTAL SHIPMENTS	**102.0**	**102.8**	**91.9**	**87.3**	**384.0**	**81.7**	**90.1**	**92.9**	**94.0**	**358.7**	**97.9**	**98.9**			
ENDING STOCK	**25.3**	**26.2**	**28.3**	**28.5**		**32.4**	**28.1**	**22.4**	**22.5**		**19.7**	**20.5**			
DOMESTIC SHIPMENTS	90.7	82.5	81.6	77.1	331.9	73.8	76.6	82.9	90.4	323.7	91.6	92.0			
IMPORTS FOR CONSUMPTION															
STAPLE	4.4	3.2	3.9	3.9	15.4	3.8	2.2	2.4	2.9	11.3	3.9	3.6			
GROUPED FILAMENTS	0.4	0.3	0.5	0.4	1.6	0.3	0.3	0.3	0.2	1.1	0.3	0.3			
TOTAL IMPORTS	4.8	3.5	4.4	4.3	17.0	4.1	2.5	2.7	3.1	12.4	4.2	3.9			
TOTAL AVAILABLE	95.5	86.0	86.0	81.4	348.9	77.9	79.1	85.6	93.5	336.1	95.8	95.9			
NYLON															
PRODUCTION	**220.9**	**216.6**	**193.0**	**204.3**	**834.8**	**191.6**	**200.8**	**215.6**	**219.7**	**827.7**	**220.5**	**207.4**			
SHIPMENTS-DOMESTIC	211.1	210.6	194.5	198.2	814.4	192.8	202.7	212.9	221.9	830.3	195.2	203.2			
-EXPORT	5.6	3.1	4.6	3.6	16.9	3.3	3.1	3.2	3.7	13.3	3.9	2.9			
TOTAL SHIPMENTS	**216.7**	**213.7**	**199.1**	**201.8**	**831.3**	**196.1**	**205.8**	**216.1**	**225.6**	**843.6**	**199.1**	**206.1**			
ENDING STOCK	**79.3**	**82.2**	**76.1**	**78.6**		**74.1**	**69.1**	**68.6**	**62.7**		**84.1**	**85.4**			
IMPORTS	7.9	7.8	12.1	10.5	38.3	8.7	8.0	12.5	9.3	38.5	11.9	10.6			
TOTAL AVAILABLE	219.0	218.4	206.6	208.7	852.7	201.5	210.7	225.4	231.2	868.8	207.1	213.8			
ACRYLIC+MODACRYLIC															
PRODUCTION	**171.7**	**174.9**	**164.7**	**159.5**	**670.8**	**163.0**	**158.5**	**152.1**	**157.2**	**630.8**	**149.0**	**151.1**			
SHIPMENTS-DOMESTIC	120.6	124.2	107.7	94.2	446.7	105.3	119.7	118.6	115.1	458.7	123.1	143.7			
-EXPORT	48.5	51.3	60.7	59.0	219.5	59.0	42.4	46.7	37.0	185.1	27.1	19.2			
TOTAL SHIPMENTS	**169.1**	**175.5**	**168.4**	**153.2**	**666.2**	**164.3**	**162.1**	**165.3**	**152.1**	**643.8**	**150.2**	**162.9**			
ENDING STOCK	**75.4**	**74.8**	**71.1**	**77.4**		**76.1**	**72.5**	**59.3**	**64.4**		**63.2**	**51.4**			
IMPORTS	3.3	3.8	3.9	2.5	13.5	3.4	3.6	5.9	4.7	17.6	3.2	4.0			
TOTAL AVAILABLE	123.9	128.0	111.6	96.7	460.2	108.7	123.3	124.5	119.8	476.3	126.3	147.7			
OLEFIN+VINYON															
PRODUCTION	**57.3**	**61.8**	**64.4**	**66.4**	**249.9**	**69.1**	**72.7**	**75.1**	**77.8**	**294.7**	**82.4**	**82.3**			
SHIPMENTS-DOMESTIC	53.7	61.0	62.7	63.5	240.9	67.2	71.9	70.8	69.8	279.7	73.9	82.6			
-EXPORT	3.8	0.6	0.5	0.9	5.8	1.0	2.0	3.2	2.3	8.5	4.2	4.8			
TOTAL SHIPMENTS	**57.5**	**61.6**	**63.2**	**64.4**	**246.7**	**68.2**	**73.9**	**74.0**	**72.1**	**288.2**	**78.1**	**87.4**			
ENDING STOCK	**19.8**	**20.0**	**21.2**	**23.2**		**24.1**	**22.9**	**24.0**	**29.7**		**34.0**	**28.9**			
POLYESTER															
PRODUCTION	**561.6**	**573.5**	**531.4**	**525.3**	**2191.8**	**520.7**	**512.2**	**468.9**	**518.3**	**2020.1**	**520.8**	**538.7**			
SHIPMENTS-DOMESTIC	514.2	527.7	481.3	469.0	1992.2	456.3	460.2	462.4	493.8	1872.7	499.1	499.9			
-EXPORT	32.8	34.6	44.8	88.0	200.2	51.0	63.2	29.1	22.6	165.9	25.7	25.0			
TOTAL SHIPMENTS	**547.0**	**562.3**	**526.1**	**557.0**	**2192.4**	**507.3**	**523.4**	**491.5**	**516.4**	**2038.6**	**524.8**	**524.9**			
ENDING STOCK	**188.7**	**199.9**	**205.2**	**173.5**		**186.9**	**175.7**	**153.1**	**155.0**		**151.0**	**164.8**			
IMPORTS	7.8	5.5	5.2	4.4	22.9	5.5	7.7	7.3	6.3	26.8	9.3	8.9			
TOTAL AVAILABLE	522.0	533.2	486.5	473.4	2015.1	461.8	467.9	469.7	500.1	1899.5	508.4	508.8			
TOTAL NONCELLULOSIC															
PRODUCTION	**1011.5**	**1026.8**	**953.5**	**955.5**	**3947.3**	**944.4**	**944.2**	**911.7**	**973.0**	**3773.3**	**972.7**	**979.5**			
SHIPMENTS-DOMESTIC	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3	929.4			
-EXPORT	90.7	89.6	110.6	151.5	442.4	114.3	110.7	82.2	65.6	372.8	60.9	51.9			
TOTAL SHIPMENTS	**990.3**	**1013.1**	**956.8**	**976.4**	**3936.6**	**935.9**	**965.2**	**946.9**	**966.2**	**3814.2**	**952.2**	**981.3**			
ENDING STOCK	**363.2**	**376.9**	**373.6**	**352.7**		**361.2**	**340.2**	**305.0**	**311.8**		**332.3**	**330.5**			
DOMESTIC SHIPMENTS	899.6	923.5	846.2	824.9	3494.2	821.6	854.5	864.7	900.6	3441.4	891.3	929.4			
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[e]	19.0	17.1	21.2	17.4	74.7	17.6	19.3	25.7	20.3	82.9	24.4	23.5			
OTHER N.C. STAPLE	4.6	4.2	5.3	3.5	17.6	7.1	7.3	8.7	8.2	31.3	7.2	4.4			
GROUPED FILAMENTS	11.0	9.5	9.6	8.7	38.8	9.5	11.8	11.9	12.3	45.5	14.4	15.0			
TOTAL IMPORTS	34.6	30.8	36.1	29.6	131.1	34.2	38.4	46.3	40.8	159.7	46.0	42.9			
TOTAL AVAILABLE	934.2	954.3	882.3	854.5	3625.3	855.8	892.9	911.0	941.4	3601.1	937.3	972.3			

See footnotes on opposite page.

TABLE 15:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA
MILLION POUNDS

ITEM	1986												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**	**18.9**	**17.2**	**17.7**						**126.5**	**121.9**
NYLON[e]- INDUSTRIAL[f]	26.3	29.5	28.8	29.1	27.6	26.7	23.3						191.3	202.8
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8						510.3	450.2
- TEXTILE[k]	30.9	31.1	31.7	32.1	30.6	29.1	29.6						215.1	204.1
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4	24.6	24.6						182.0	171.0
- LOW DENIER INDUSTRIAL[g]	1.9	2.3	2.4	2.0	2.2	2.0	2.0						14.8	12.3
- TEXTILE	75.2	75.7	67.4	66.3	70.4	58.7	66.5						480.2	570.2
OLEFIN[h]	75.1	84.2	84.4	83.9	85.0	87.5	77.0						577.1	548.8
TOTAL NONCELLULOSIC ABOVE[i]	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**	**303.4**	**299.8**						**2170.8**	**2159.4**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**	**34.9**	**31.3**	**34.2**						**231.0**	**202.2**
NYLON[e]	70.7	64.1	64.3	67.1	71.9	67.1	79.3						484.5	470.1
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0						363.1	378.9
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2						1215.9	1180.1
OLEFIN+VINYON	24.0	25.4	26.7	28.2	29.3	29.9	27.8						193.3	162.6
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**	**309.0**	**323.3**						**2256.8**	**2191.7**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.0**	**12.2**	**13.3**	**12.1**	**12.2**	**12.5**	**13.3**						**13.3**	**19.9**
NYLON[e]- INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2	25.4	30.3						30.3	32.3
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4						55.4	55.5
- TEXTILE[k]	49.0	46.1	46.2	44.7	45.8	43.9	44.6						44.6	51.7
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9	31.5	32.0						32.0	28.9
- LOW DENIER INDUSTRIAL[g]	3.3	3.3	3.5	3.6	3.4	3.3	3.0						3.0	3.6
- TEXTILE	81.4	87.0	93.1	92.9	88.5	82.9	79.8						79.8	80.3
OLEFIN[h]	66.7	69.4	67.1	69.5	66.4	64.1	65.8						65.8	63.8
TOTAL NONCELLULOSIC ABOVE[i]	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**	**307.9**	**310.9**						**310.9**	**316.1**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**	**18.4**	**20.5**	**20.5**						**20.5**	**27.5**
NYLON[e]	63.0	70.4	84.1	89.1	88.0	85.4	78.7						78.7	71.0
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9						54.9	71.6
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8						170.8	178.5
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4						30.4	23.9
TOTAL NONCELLULOSIC ABOVE	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**	**330.5**	**334.8**						**334.8**	**345.0**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.1								65.2	52.8
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7								4.2	6.0
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	13.8								69.4	58.8
RAW COTTON	269.5	263.3	265.0	265.2	265.6	281.8							1610.4	1334.4

---

a. Year-to-date totals for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.

k. Low denier industrial Nylon is now included with Textile.

TEXTILE ORGANON

Volume 57, No. 9 ☐ **September 1986** **A publication of the *Textile Economics Bureau, Inc.***

Textile Fiber End Use Survey

Highlights

***Textile Organon** Features:*

Annual U.S. End Use Summary . . . Featured on page 205.

Summary of Man-Made Fiber & Semimanufactured Imports 1979 - 1985 . . . see page 207.

U.S. Imports of Acrylic Staple rose 91% in July . . . see page 222.

Second Quarter 1986 Domestic Shipments of Nylon Staple to the Carpet Trade rose to 188.6 Million Pounds . . . see page 225.

Presented in this issue of the ***Textile Organon*** is the 1985 survey of textile fiber consumption by end use. Annual data are shown for the years 1979 through 1985.

The data of this end use survey supersede those of the earlier surveys. As more reliable data become available, they are incorporated to provide the most current industry data obtainable.

Compared with last year's survey, there are relatively few revisions. However, it should be noted that there has been some revision of the Topweight Fabric, Bedspread & Quilts (Item 45) end uses.

In 1985, Industrial and Other Consumer-Type Products no longer include textile glass.

In some cases, the revisions involved changes in the series of data from 1983 and 1984. Revisions such as these are denoted by a small "r".

When the changes described above are kept in mind, the data in this survey may be used in conjunction with earlier issues of the ***Textile Organon*** as follows:

Years	***Textile Organon Issues***
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980
1974	November 1981
1975	November 1982
1976	November 1983
1977	September 1984
1978	September 1985

In this manner, a continuous statistical series covering the 37 year span from 1949 through 1985 may be obtained.

Continued On Page 204.

TABLE 1: END USE SUMMARY CHANGES

	TOTAL FIBER								MAN-MADE FIBER							
	MILLION POUNDS				% OF TOTAL END USE [a]				MILLION POUNDS				% OF TOTAL END USE [a]			
END USE	79-82	1983	1984	1985	79-82	1983	1984	1985	79-82	1983	1984	1985	79-82	1983	1984	1985
APPAREL	4531	4566	4305	4246	*38*	*37*	*35*	*37*	2773	2767	2509	2396	*32*	*30*	*27*	*29*
HOME FURNISHINGS	3604	3950	4112	4377	*30*	*32*	*33*	*38*	2809	3106	3226	3467	*32*	*33*	*35*	*42*
INDUSTRIAL & OTHER CONSUMER - TYPE PROD.	3231	3623	3740	2479	*27*	*29*	*30*	*22*	2807	3227	3344	2107	*32*	*35*	*36*	*26*
EXPORTS	516	280	279	328	*5*	*2*	*2*	*3*	300	184	191	210	*4*	*2*	*2*	*3*
TOTAL END USE	11882	12419	12436	11430	*100*	*100*	*100*	*100*	8689	9284	9270	8180	*100*	*100*	*100*	*100*

79-82 means the annual average for the years 1979 - 1982. The 1983, 1984 & 1985 data are for single years only. All data are drawn from the End Use Consumption Summary table on page 205.

[a] The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically in each case.

Textile Organon

A Monthly Review

SEPTEMBER 1986

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

ISSN 0040-5132

Copyright © 1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single issues:		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

CONTENTS

Features

Textile Fiber End Use Survey 201, 204-218
- End Use Summary Changes 201
- U.S. End Use Summary 205
- Mill Consumption & Semimanufactured Imports 206
- End Use Vs. Available Supply 206
- Summary of Man-Made Fiber & Semimanufactured Imports 207
- End Uses 208-214
  - Apparel Items 208-209
  - Home Furnishing Items 210-211
  - Industrial & Other Consumer-Type Items 212-213
  - Exports of Domestic Products 214
- Notes for End Uses 215-217
  - General 215
  - Apparel Items 215
  - HomeFurnishing Items 216
  - Industrial & Other Consumer-Type Items 216
- Graph 1: Percent Share of U.S. End Use Summary 218

Industry Regulars

Datagram 203

Trade Barometer 219
- Graph 2: Imports vs. Exports of Man-Made Fiber 219
- Graph 3: Man-Made Fiber Monthly Trade Balance 220
- Man-Made Fiber Monthly Trade Balance Detail 220

Monthly U.S. Man-Made Fiber Data 221-223
- Imports by Country of Origin 221
- Imports for Consumption 222
- Exports by Fiber 223

Quarterly Man-Made Fiber Data 224-225
- Filament Yarn Domestic Shipments 224
- Staple+Tow Domestic Shipments 225

Selected U.S. Monthly Textile Fiber Data 226

DATAGRAM

MAN-MADE FIBER SHIPMENTS SHOW GAIN

Shipments of noncellulosic yarn, staple+tow for August increased by 5.7% to 657.6 million pounds versus 622.4 million pounds shipped in July. Inventories, at the end of August, stood at 645 million pounds, down almost 3% from the level of July.

- Nylon industrial yarn shipments at 27.3 million pounds were up 17% over last month, while inventories increased by 11% to 33.6 million pounds.
- Nylon staple+tow shipments rose to 86.6 million pounds, up 9% from the 79.3 million pounds shipped in July. Of the total, 81.3 million pounds went into carpet yarns. Ending stocks were down 13% to 68.4 million pounds as compared to the 78.7 million pound level of last month.

EXPORTS OF FIBER DECLINE

Exports of man-made fiber totaled 45.9 million pounds in July, down over 7% from the 49.5 million pounds export level of last month.

For the first seven months of 1986, exports of man-made fiber totaled 407.0 million pounds, or 21% below the 1985 January - July level of 517.0 million pounds.

More specifics:
- Polyester high tenacity yarn exports fell by almost 54% to 1.4 million pounds.
- Acrylic staple+tow exports declined by 21% in July to 3.0 million pounds.

IMPORTS OF FIBER ON THE RISE

Imports of cellulosic staple+tow in July totaled 1.7 million pounds, up 27% from the 1.3 million pounds shipped in June. The major share of the imports, 72%, came from Canada.

For the first seven months of 1986, imports of noncellulosic yarn+monofilaments totaled 68.6 million pounds. This compares to the 1985 January - July imports of 61.0 million pounds.

The major importing countries of these fibers are:
- Costa Rica - imports are up by 5,288%.
- Belgium - imports rose by 57%.
- France - imports increased by 43%.

In July, imports of noncellulosic staple+tow rose by 17% to 16.6 million pounds from 14.2 million pounds in June.

For the first seven months of 1986, imports of noncellulosic staple+tow totaled 105.5 million pounds, up 20% from the import level of 88.2 million pounds during the same time.

Major importing countries are:
- Romania - imports increased by 139%.
- Mexico - imports rose by 89%.
- United Kingdom - imports are up 73%.

CELANESE INTRODUCES CELEBRATE

Celanese Textile Fibers has introduced a branded acetate filament yarn with the trademark *Celebrate*. The yarn is designed for use in loungewear, sportswear active sportswear, dresses and home furnishings applications. Fabrics made of *Celebrate* acetate provide drapability and dye uniformity. The fabric is also moisture absorbent, static free and has a silky hand. Combined in knitted fabric with other fibers such as polyester, it provides ease of care and strength with the drapability, hand and appearance of acetate. (Knitting Times 8/86)

CELANESE REDUCES POLYESTER PRODUCTION

Celanese recently reported that it will reduce its production capacity for polyester textile staple at its Salisbury, N.C. plant by 185 million pounds over the next 18 months. John Fennie, president and general manager, Textile Fibers, said the reduction was made necessary by the continued surge of unfair imports of fabric and apparel from the Far East. (Knitting Times 8/86)

Continued From Front Page

SURVEY FIBER COVERAGE

The objective of this survey is to measure the amount of raw fiber required to produce a particular end use item. The quantities of fiber are grouped under general listings, but specific characteristics of each listing should be noted.

The man-made fiber data are presented in two general categories, **Cellulosic,** which includes rayon and acetate, and **Noncellulosic,** which includes nylon, polyester acrylic, olefin, saran, spandex and textile glass. Starting in 1985, textile glass fiber is no longer included. Except for carpets, no separation of the data by generic type within the end uses is provided. See footnote **(b)** under General Notes on page 215 for additional descriptions. The cotton end use data cover raw cotton. Cotton waste and cotton linters poundages are excluded, except when pertaining to waste. See the section describing waste fiber coverage for further explanation.

Wool data cover both virgin and reprocessed & reused wool.

Many other fibers, such as silk, linen, jute and sisal, are used in various products covered by the survey, but no poundage data for these fibers are included in the end use tables on pages 208-214.

SURVEY WASTE FIBER COVERAGE

In the survey, textile fiber waste is handled in three different ways: First, end uses which employ waste fiber, either wholly or in part without preliminary processing, are not included (e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts and some nonwoven fabrics).

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the poundages shown have been calculated so as to exclude the waste component inasmuch as possible, as, for example, is the case with the cotton waste in Towels & Toweling (Item 48) and Twine (Item 73).

And third, waste which has been processed into usable spinnable fiber is included in the poundages shown for Blankets (Item 46), Carpets & Rugs (Item 50) and a number of other applications. It is important to note that in products such as these, fiber derived from waste by preliminary processing, especially for the man-made fiber poundages, is a significant and measured part of the total end use.

OUTLINE AND COVERAGE OF THE SURVEY

The data presented on pages 208-214 show the poundages of the itemized textile fibers consumed in the production of end use products in the United States.

The substantial imports of finished products, such as apparel, blankets, tablecloths and rugs, are not included in this survey as they are not manufactured in domestic mills.

The method used for estimating the end uses of man-made fibers differs from that used for the natural fibers. For man-made fibers, the data are based on producers' domestic shipments plus imports of fiber, yarn and semimanufactured products. While in the case of cotton, the data of the National Cotton Council were used extensively, and for wool, government data plus estimates from other trade sources were employed.

END USE VERSUS AVAILABLE SUPPLY

Available Supply (mill consumption plus semimanufactured imports) is compared with End Use Consumption, Table 4 on page 206. While more specific reasons which affect the correlation between these series are described in subsequent sections, some general remarks are presented below.

COTTON: End use consumption is lower than available supply for most years; the same situation pertains to the National Cotton Council's survey data. Two reasons for this are stated by the Council: a) many small end uses are not included in the survey and b) estimates of materials consumed are based on "typical" cotton yarns and fabrics, not on the actual weights of every type of yarn and fabric consumed in the various end uses.

Timing and inventory changes also play a significant role. For example, some raw cotton correctly reported as "consumed" by the Census Bureau in the calendar year 1983 was not actually incorporated into end products until 1984 because of time lags and inventory fluctuations involed in moving from raw fiber in the bale to a finished garment or other textile product. Similarly, an indeterminate amount of cotton consumed in 1984 was not embodied in finished products until 1985.

As noted, the cotton series presented in this survey are mainly those of the National Cotton Council as published in its annual survey "Cotton Counts Its Customers" (1986 and earlier editions).

WOOL: Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus, relatively reliable measures are available mainly on the wool poundages used in Home Furnishings (blankets and carpets) and such Apparel items as Retail Piece Goods and Craft Yarns.

These poundages were deducted from the Available Supply in Table 3, page 206, and residual pound-

TABLE 2:
U.S. END USE SUMMARY
MILLION POUNDS & *PERCENT*

END USE & YEAR	GRAND TOTAL			COTTON			WOOL			MAN-MADE FIBERS			MAN-MADE FIBER DETAIL									
													CELLULOSIC					NONCELL. & TEXTILE GLASS				
													TOTAL			YARN LBS	STAPLE LBS	TOTAL			YARN LBS	STAPLE LBS
	LBS	% a	% b	LBS	% a	% b	LBS	% a	% b	LBS	% a	% b	LBS	% a	% b			LBS	% a	% b		
APPAREL																						
1979	4825	*100*	*37.0*	1696	*35.2*	*51.3*	132	*2.7*	*76.3*	2997	*62.1*	*31.4*	341	*7.1*	*40.7*	245	96	2656	*55.0*	*30.5*	1359	1297
1980	4728	*100*	*39.0*	1652	*35.0*	*53.0*	125	*2.6*	*74.0*	2951	*62.4*	*33.5*	298	*6.3*	*39.9*	222	76	2653	*56.1*	*32.9*	1306	1347
1981	4495	*100*	*37.9*	1595	*35.5*	*54.8*	148	*3.3*	*76.3*	2752	*61.2*	*31.4*	309	*6.9*	*42.7*	194	115	2443	*54.3*	*30.4*	1191	1252
1982	4077	*100*	*38.7*	1557	*38.2*	*57.1*	127	*3.1*	*75.1*	2393	*58.7*	*31.3*	211	*5.2*	*39.9*	142	69	2162	*53.5*	*30.7*	986	1196
1983	4566	*100*	*36.8*	1646	*36.0*	*56.2*	153	*3.4*	*75.0*	2767	*60.6*	*29.8*	229	*5.0*	*39.7*	154	75	2538	*55.6*	*29.1*	1173	1365
1984	4305	*100*	*34.6*	1624	*37.7*	*55.4*	172	*4.0*	*74.1*	2509	*58.3*	*27.1*	239	*5.6*	*41.5*	153	86	2270	*52.7*	*26.1*	1126	1144
1985	4246	*100*	*37.1*	1708	*40.3*	*55.9*	142	*3.3*	*72.8*	2396	*56.4*	*29.3*	209	*4.9*	*38.6*	141	68	2187	*51.5*	*28.6*	1098	1089
HOME FURNISHINGS																						
1979	4092	*100*	*31.4*	848	*20.7*	*25.6*	27	*0.7*	*15.6*	3217	*78.6*	*33.7*	194	*4.7*	*23.1*	48	146	3023	*73.9*	*34.7*	1244	1779
1980	3656	*100*	*30.2*	802	*22.0*	*25.8*	26	*0.7*	*15.4*	2828	*77.3*	*32.1*	170	*4.6*	*22.7*	47	123	2658	*72.7*	*32.9*	1189	1469
1981	3522	*100*	*29.7*	744	*21.1*	*25.6*	29	*0.9*	*14.9*	2749	*78.0*	*31.4*	156	*4.4*	*21.5*	36	120	2593	*73.6*	*32.3*	1117	1476
1982	3144	*100*	*29.8*	676	*21.5*	*24.8*	26	*0.9*	*15.4*	2442	*77.6*	*31.9*	104	*3.3*	*19.6*	26	78	2338	*74.3*	*32.9*	1013	1325
1983	3950	*100*	*31.8*	812	*20.6*	*27.7*	32	*0.8*	*15.7*	3106	*78.6*	*33.4*	134	*3.4*	*23.3*	28	106	2972	*75.2*	*34.1*	1319	1653
1984	4112	*100*	*33.1*	851	*20.7*	*29.0*	35	*0.8*	*15.1*	3226	*78.5*	*34.8*	135	*3.3*	*23.4*	28	107	3091	*75.2*	*35.6*	1421	1670
1985	4377	*100*	*38.3*	880	*20.1*	*28.8*	30	*0.7*	*15.4*	3467	*79.2*	*42.4*	126	*2.9*	*23.2*	18	108	3341	*76.3*	*43.7*	1664	1677
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1979	3486	*100*	*26.8*	462	*13.3*	*14.0*	8	*0.2*	*4.6*	3016	*86.5*	*31.6*	271	*7.8*	*32.3*	50	221	2745	*78.7*	*31.6*	2020	725
1980	3109	*100*	*25.7*	412	*13.2*	*13.2*	11	*0.3*	*6.5*	2686	*86.5*	*30.4*	249	*8.0*	*33.3*	40	209	2437	*78.5*	*30.2*	1805	632
1981	3348	*100*	*28.2*	404	*12.1*	*13.9*	12	*0.3*	*6.2*	2932	*87.6*	*33.5*	231	*6.9*	*31.9*	42	189	2701	*80.7*	*33.6*	2027	674
1982	2980	*100*	*28.3*	377	*12.7*	*13.8*	10	*0.3*	*5.9*	2593	*87.0*	*33.9*	195	*6.5*	*36.9*	30	165	2398	*80.5*	*33.7*	1759	639
1983	3623	*100*	*29.2*	382	*10.5*	*13.1*	14	*0.4*	*6.9*	3227	*89.1*	*34.8*	196	*5.4*	*34.0*	23	173	3031	*83.7*	*34.8*	2178	853
1984	3740	*100*	*30.1*	375	*10.0*	*12.8*	21	*0.6*	*9.1*	3344	*89.4*	*36.1*	187	*5.0*	*32.5*	28	159	3157	*84.4*	*36.3*	2234	923
1985	2479	*100*	*21.7*	359	*14.5*	*11.8*	13	*0.5*	*6.7*	2107	*85.0*	*25.7*	190	*7.7*	*35.1*	30	160	1917	*77.3*	*25.1*	984	933
EXPORTS OF DOMESTIC PRODUCTS																						
1979	620	*100*	*4.8*	301	*48.5*	*9.1*	6	*1.0*	*3.5*	313	*50.5*	*3.3*	33	*5.3*	*3.9*	21	12	280	*45.2*	*3.2*	128	152
1980	618	*100*	*5.1*	259	*42.0*	*8.0*	7	*1.0*	*4.1*	352	*57.0*	*4.0*	31	*5.1*	*4.1*	20	11	321	*51.9*	*4.0*	141	180
1981	490	*100*	*4.2*	166	*33.9*	*5.7*	5	*1.0*	*2.6*	319	*65.1*	*3.7*	28	*5.7*	*3.9*	17	11	291	*59.4*	*3.7*	121	170
1982	336	*100*	*3.2*	115	*34.2*	*4.3*	6	*1.8*	*3.6*	215	*64.0*	*2.9*	19	*5.7*	*3.6*	12	7	196	*58.3*	*2.7*	82	114
1983	280	*100*	*2.2*	91	*32.5*	*3.0*	5	*1.8*	*2.4*	184	*65.7*	*2.0*	17	*6.1*	*3.0*	11	6	167	*59.6*	*2.0*	70	97
1984	279	*100*	*2.2*	84	*30.1*	*2.8*	4	*1.4*	*1.7*	191	*68.5*	*2.0*	15	*5.4*	*2.6*	9	6	176	*63.1*	*2.0*	73	103
1985	328	*100*	*2.9*	108	*32.9*	*3.5*	10	*3.1*	*5.1*	210	*64.0*	*2.6*	17	*5.2*	*3.1*	10	7	193	*58.8*	*2.6*	76	117
TOTAL END USE																						
1979	13023	*100*	*100*	3307	*25.4*	*100*	173	*1.3*	*100*	9543	*73.3*	*100*	839	*6.5*	*100*	364	475	8704	*66.8*	*100*	4751	3953
1980	12111	*100*	*100*	3125	*25.8*	*100*	169	*1.4*	*100*	8817	*72.8*	*100*	748	*6.2*	*100*	329	419	8069	*66.6*	*100*	4441	3628
1981	11855	*100*	*100*	2909	*24.5*	*100*	194	*1.7*	*100*	8752	*73.8*	*100*	724	*6.1*	*100*	289	435	8028	*67.7*	*100*	4456	3572
1982	10537	*100*	*100*	2725	*25.9*	*100*	169	*1.6*	*100*	7643	*72.5*	*100*	529	*5.0*	*100*	210	319	7114	*67.5*	*100*	3840	3274
1983	12419	*100*	*100*	2931	*23.6*	*100*	204	*1.6*	*100*	9284	*74.8*	*100*	576	*4.7*	*100*	216	360	8708	*70.1*	*100*	4740	3968
1984	12436	*100*	*100*	2934	*23.6*	*100*	232	*1.9*	*100*	9270	*74.5*	*100*	576	*4.6*	*100*	218	358	8694	*69.9*	*100*	4854	3840
1985	11430	*100*	*100*	3055	*26.7*	*100*	195	*1.7*	*100*	8180	*71.6*	*100*	542	*4.8*	*100*	199	343	7638	*66.8*	*100*	3822	3816

a. The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

b. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

Continued From Page 204

ages were then attributed to Apparel Usage in individual apparel items from the years 1979-1984 was calculated by correlating the data of Census reports MA-23A and MQ-22T on, respectively, Apparel and Broad Woven Goods.

MAN-MADE FIBERS: As will be seen, there is relatively good correlation between End Use Consumption and Available Supply.

The fluctuations of producers' domestic shipments, as well as imports, from year to year are significant. In years when there is a large increase in domestic shipments plus imports of fiber (Available Supply), it is probable that some of the increase went into mill and manufacturers' inventories rather than directly into end uses. Both warehouse inventories of yarn and staple and goods-in-process inventories would be involved. For example, it is likely that some of the large increase in the Available Supply between 1978 and 1979 was absorbed in inventories at various stages of the production process. In a period when Available Supply falls sharply (1980-1981 and 1981-1982, for instance) the movement is reversed. In a period of slower activity, mills and manufacturers reduce their warehouse inventories and work-in-process to reflect the lower level of activity.

Continued On Page 207

TABLE 3:
MILL CONSUMPTION+SEMIMANUFACTURED IMPORTS
MILLION POUNDS

	MAN-MADE FIBERS								COTTON			WOOL					
	MILL CONSUMPTION [a]																
	CELLULOSIC			NONCELL.+GLASS FIBER [e]													
YEAR	YARN	STAPLE [b]	TOTAL	YARN	STAPLE[b]	TOTAL	IMPORTS[c]	TOTAL	MILL CONS. [a]	IMPORTS[c]	TOTAL	MILL CONS.[a]	REPROCESSED & REUSED[d]	COTTON SYSTEM[d]	IMPORTS [c]	TOTAL	AVAILABLE SUPPLY
1979	356.7	474.3	831.0	4740.2	3874.8	8615.0	119.1	9565.1	3066.4	249.1	3315.5	134.4	17.0	2.5	25.9	179.8	13060.4
1980	325.0	415.7	740.7	4426.0	3593.4	8019.4	111.6	8871.7	3064.4	277.8	3342.2	137.8	10.5	3.8	25.3	177.4	12391.3
1981	283.6	430.7	714.3	4484.0	3505.2	7989.2	141.1	8844.6	2730.8	374.4	3105.2	152.7	8.3	3.2	32.8	197.0	12146.8
1982	206.1	316.0	522.1	3793.3	3213.6	7006.9	143.9	7672.9	2478.9	295.0	2773.9	129.5	5.7	3.0	33.3	171.5	10618.3
1983	241.8	356.8	598.6	4637.2	3962.2	8599.4	196.1	9394.1	2795.7	388.4	3184.1	162.5	8.1	3.3	35.7	209.6	12787.8
1984	228.3	359.6	587.9	4672.4	3803.0	8475.4	242.4	9305.7	2668.2	505.4	3173.6	163.2	7.6	5.5	55.3	231.6	12710.9
1985	201.0	344.6	545.6	3663.8	3801.7	7465.5	203.8	8214.9	2796.0	477.5	3273.5	134.7	5.3	4.2	50.5	194.7	11683.1

NOTE: Glass fiber data include both textile and other types of glass fiber end uses (e.g., reinforced plastics).

- a. Mill Consumption is taken from page 54 of the 1986 March *Organon* plus subsequent revisions.
- b. Man-Made staple includes waste.
- c. Imports are taken from page 189 of the 1986 August *Organon* and comprise semimanufactured goods; see the footnotes there.
- d. These poundages of reprocessed and reused wool, as well as wool consumed on the cotton spinning system, are not included in the mill consumption series for wool (see page 36 of the February 1970 *Organon*. However, they are considered here as part of the available supply of wool as shown in the table below.
- e. 1985 noncellulosic yarn does not include glass fiber data.

TABLE 4:
END USE VERSUS AVAILABLE SUPPLY
MILLION POUNDS & *PERCENT*

	1979			1980			1981			1982			1983			1984			1985		
FIBERS	AVAILABLE[a]	END USE [b]	%[c]	AVAILABLE[a]	END USE[b]	% [c]	AVAILABLE[a]	END USE[b]	% [c]	AVAILABLE[a]	END USE [b]	% [c]	AVAILABLE [a]	END USE [b]	% [c]	AVAILABLE[a]	END USE[b]	% [c]	AVAILABLE [a]	END USE[b]	% [c]
COTTON	3316	3307	*99.7*	3342	3125	*93.5*	3105	2909	*93.7*	2774	2725	*98.2*	3184	2931	*92.1*	3174	2934	*92.4*	3273	3055	*93.3*
WOOL	180	173	*96.1*	177	168	*94.9*	197	194	*98.5*	171	169	*98.8*	210	204	*97.1*	232	232	*100.0*	195	195	*100.0*
TOTAL COTTON & WOOL	**3496**	**3480**	***99.5***	**3519**	**3293**	***93.6***	**3302**	**3103**	***94.0***	**2945**	**2894**	***98.3***	**3394**	**3135**	***92.4***	**3406**	**3166**	***93.0***	**3468**	**3250**	***93.7***
CELL. - YARN[d]	364	364	*100.0*	329	329	*100.0*	289	289	*100.0*	212	210	*99.1*	242	216	*89.3*	228	218	*95.6*	201	199	*99.0*
- STAPLE [e]	485	475	*97.9*	421	419	*99.5*	437	435	*99.5*	322	319	*99.1*	360	360	*100.0*	360	358	*99.4*	345	343	*99.4*
NONCELL - YARN[d f]	3833	3830	*99.9*	3607	3567	*98.9*	3575	3474	*97.2*	2983	2964	*99.4*	3603	3574	*99.2*	3594	3580	*99.6*	3841	3822	*99.5*
- STAPLE [e]	3958	3952	*99.8*	3639	3629	*99.7*	3562	3572	*100.3*	3280	3274	*99.8*	3985	3968	*99.6*	3848	3840	*99.8*	3828	3816	*99.7*
TOTAL MAN-MADE FIBER ABOVE	**8640**	**8621**	***99.8***	**7996**	**7944**	***99.3***	**7863**	**7770**	***98.8***	**6797**	**6767**	***99.6***	**8190**	**8118**	***99.1***	**8030**	**7996**	***99.6***	**8215**	**8180**	***99.6***
TEXTILE GLASS	922	922	*100.0*	874	874	*100.0*	982	982	*100.0*	876	876	*100.0*	1166	1166	*100.0*	1274	1274	*100.0*	NA	NA	NA
TOTAL FIBERS ABOVE	**13058**	**13023**	***99.7***	**12389**	**12111**	***97.8***	**12147**	**11855**	***97.6***	**10618**	**10537**	***99.2***	**12750**	**12419**	***97.4***	**12710**	**12436**	***97.8***	**11683**	**11430**	**97.8**

- **NA** Means no longer available.
- a. Available means mill consumption plus the imports of semimanufactured products - from the table above.
- b. End Use as a percentage of Available.
- c. End Use from the summary table on page 205.
- d. Yarns includes monofilaments.
- e. Staple includes tow, fiberfill and waste.
- f. 1985 does not include Textile Glass.

TABLE 5: SUMMARY OF MAN-MADE FIBER & SEMIMANUFACTURED IMPORTS

MILLION POUNDS

	1979	1980	1981	1982	1983	1984	1985
CELLULOSIC FIBERS							
YARN	13.3	8.3	10.7	7.0	8.7	10.0	13.9
STAPLE	16.5	10.3	16.8	13.4	13.5	17.0	12.6
WASTE	0.8	0.3	0.5	0.4	0.3	0.5	0.5
NONCELLULOSIC FIBERS							
YARN - SINGLES							
NYLON - TEXTURED	1.0	3.2	3.8	4.7	5.1	18.0	32.4
- OTHER	6.1	3.6	4.0	5.5	2.2	10.8	16.6
POLYESTER - TEXTURED	1.1	0.3	0.8	0.5	7.7	8.9	14.7
- OTHER	7.6	6.7	5.4	5.3	14.8	30.2	18.4
OTHER - TEXTURED	0.1	0.2	0.5	4.4	13.7	15.7	16.7
- OTHER	1.3	1.4	1.6	1.6	2.7	2.5	2.5
MONOFILAMENTS	2.4	4.0	2.6	1.5	1.7	2.9	2.1
STRIPS, OVER $1/LB	0.4	0.2	0.2	0.3	0.5	1.0	1.2
SUBTOTAL ABOVE	**20.0**	**19.6**	**18.9**	**23.8**	**48.4**	**90.0**	**104.6**
STAPLE[a] NYLON	3.1	2.7	25.7	19.1	46.8	61.4	68.1
- POLYESTER	3.1	1.5	7.0	7.3	23.6	30.0	31.8
- ACRYLIC	16.0	15.9	13.9	12.3	20.3	20.4	25.1
- OLEFIN	0.1	0.1	1.1	0.6	1.1	2.2	5.7
- OTHER	17.1	15.3	12.7	11.8	9.7	17.1	28.7
SUBTOTAL ABOVE	**39.4**	**35.5**	**60.4**	**51.1**	**101.5**	**131.1**	**159.4**
WASTE, NOT ADVANCED - NYLON	12.8	11.7	25.3	22.2	26.8	31.2	27.2
- POLYESTER	3.3	6.0	18.1	11.2	13.0	8.0	7.1
- ACRYLIC	2.4	2.4	2.9	0.9	0.3	0.3	0.3
- OTHER	1.6	1.0	3.0	2.5	2.7	4.0	2.1
NOILS & GARNETTED FIBERS	+	+	0.1	0.1	0.2	0.4	0.2
OTHER WASTE, ADVANCED	1.0	0.6	0.6	0.9	3.1	6.7	3.8
SUBTOTAL ABOVE	**21.1**	**21.7**	**50.0**	**37.8**	**46.1**	**50.6**	**40.7**
TOTAL FIBER ABOVE[b]	**111.1**	**95.7**	**157.3**	**133.5**	**218.5**	**299.2**	**331.7**
SEMIMANUFACTURES							
SLIVER, TOPS & ROVING	6.7	2.8	3.7	2.7	4.9	4.7	2.1
YARNS, THROWN OR PLIED	2.6	2.2	4.8	6.7	10.7	15.4	17.5
SPUN YARNS	25.6	22.9	23.5	26.5	39.0	46.3	45.4
SEWING THREAD & HANDWORK YARN	2.6	2.3	2.8	2.3	3.4	5.7	9.7
WOVEN FABRICS	64.6	67.3	95.4	93.3	123.2	154.9	100.8
NARROW FABRICS	9.0	8.1	8.7	10.1	12.7	12.4	18.6
KNIT FABRIC	8.0	6.0	2.2	2.3	2.2	3.0	9.7
SUBTOTAL ABOVE	**119.1**	**111.6**	**141.1**	**143.9**	**196.1**	**242.4**	**203.8**
TEXTILE GLASS FIBER	10.3	7.3	18.2	14.1	20.0	23.1	34.7
TOTAL SEMIMANUFACTURES ABOVE[c]	**129.4**	**118.9**	**159.3**	**158.0**	**216.1**	**265.5**	**238.5**
GRAND TOTAL ABOVE	**240.5**	**214.6**	**316.6**	**291.5**	**434.6**	**564.7**	**570.2**

a. Includes grouped filaments.
b. **SOURCE:** U.S. Bureau of the Census.
c. **SOURCE:** *Cotton and Wool Situation*, U.S. Department of Agriculture.

For imports of fiber, the data are taken from the monthly summaries in each *Organon.* A listing of the commodity numbers used may be found on page 224 of this issue under the monthly import table.

Continued From Page 205

UNIT PRODUCTION VERSUS FIBER CONSUMED

This survey shows the poundage of raw fiber which had to be put into process in order to manufacture end products. No direct comparison can be, or should be, made between the poundages of the fibers consumed, as recorded in the survey, and the finished or "shelf" weight of those end products by fiber.

Two reasons to avoid direct comparison are:

1. The variation in the weight per square yard of fabric made of the different fibers for the same end use. According to recent data collected by the U.S. Census Bureau, cotton fabrics averaged 7.0 square yards per pound and wool 0.6 square yards per pound. But for man-made fiber, 100% filament yarn fabrics averaged 4.4 square yards per pound and spun yarn fabrics averaged 3.3 square yards per pound.

2. From these data, it is apparent that the "covering power" of fabrics made from the various fibers varies greatly. Hence, a simple comparison of poundages of fibers consumed would be misleading both because of the differences in fibers concerning covering power and the difference in typical fabric weights of products made of the various fibers, as described.

Continued On Page 210

TABLE 6a:
APPAREL[a]
MILLION POUNDS

		MAN-MADE FIBERS[b]						
			CELLULOSIC		NONCELL.			
END USE & YEAR	TOTAL FIBER	TOTAL	YARN	STAPLE	YARN	STAPLE	COTTON	WOOL
TOTAL APPAREL								
1979	**4825.5**	**2997.3**	**244.8**	**96.4**	**1358.7**	**1297.4**	**1696.2**	**132.0**
1980	**4730.3**	**2953.0**	**222.2**	**76.8**	**1306.2**	**1347.8**	**1651.9**	**125.4**
1981	**4497.0**	**2753.5**	**194.3**	**117.0**	**1190.8**	**1251.4**	**1595.0**	**148.5**
1982	**4077.5**	**2393.0**	**141.9**	**68.8**	**986.2**	**1196.1**	**1557.1**	**127.4**
1983	**r4566.3**	**2767.3**	**153.9**	**74.9**	**1173.3**	**1365.2**	**r1646.0**	**153.0**
1984	**r4304.2**	**2509.8**	**153.5**	**86.1**	**1126.5**	**1143.7**	**r1623.7**	**170.7**
1985	**4245.7**	**2396.3**	**140.7**	**67.9**	**1098.7**	**1089.0**	**1707.7**	**141.7**
40 SHEER HOSIERY (W)*								
1979	66.1	66.1	–	–	66.1	–	–	–
1980	70.7	67.8	–	–	67.8	–	2.9	–
1981	76.4	69.9	–	–	69.9	–	6.5	–
1982	71.6	68.5	–	–	68.5	–	3.1	–
1983	80.7	77.2	–	–	77.2	–	3.5	–
1984	86.0	82.6	–	–	82.6	–	3.4	–
1985	90.3	86.9	–	–	86.9	–	3.4	–
19, 41 ANKLETS & SOCKS (MW)*								
1979	167.1	131.4	–	0.5	52.7	78.2	33.2	2.5
1980	186.4	151.9	–	0.5	56.9	94.5	32.1	2.4
1981	190.8	149.1	–	0.7	60.3	88.1	38.9	2.8
1982	172.9	139.8	–	0.4	51.7	87.7	30.6	2.5
1983	195.2	152.6	–	0.5	65.0	87.1	39.6	3.0
1984	r181.6	131.5	–	0.5	59.5	71.5	r46.7	3.4
1985	179.4	125.7	c	0.4	59.9	65.4	51.0	2.7
8, 29 SWEATERS & RELATED ACCESSORIES (MW)*								
1979	124.8	103.9	–	0.7	10.2	93.0	6.6	14.3
1980	137.9	116.4	–	0.7	12.6	103.1	7.9	13.6
1981	140.0	113.8	–	0.6	0.9	112.3	10.1	16.1
1982	119.5	92.7	–	1.0	1.4	90.3	11.8	15.0
1983	r142.9	104.8	–	1.2	0.4	103.2	r20.1	18.0
1984	r158.0	113.7	–	1.2	0.5	112.0	r24.3	20.0
1985	154.8	108.1	–	1.2	0.6	106.3	29.9	16.8
57 CRAFT & HANDWORK YARNS*								
1979	129.0	121.1	–	0.9	c	120.2	3.7	4.2
1980	126.0	118.7	c	0.2	c	118.5	3.3	4.0
1981	100.6	92.9	–	0.7	c	92.2	3.0	4.7
1982	100.2	91.9	–	0.6	–	91.3	3.8	4.5
1983	r106.1	97.4	–	0.1	–	97.3	r4.0	4.7
1984	r90.9	82.1	–	0.8	–	81.3	r3.5	5.3
1985	94.9	87.2	c	0.1	0.3	86.8	3.4	4.3
16-18 UNDERWEAR & NIGHTWEAR (M)*								
1979	257.6	86.3	–	0.8	21.3	64.2	170.3	1.0
1980	250.9	104.0	c	0.8	26.2	77.0	145.9	1.0
1981	225.5	84.9	–	1.1	20.9	62.9	139.4	1.2
1982	226.0	79.6	–	–	16.3	63.3	145.4	1.0
1983	r245.7	96.8	–	–	14.5	82.3	r147.9	1.0
1984	r264.1	90.5	–	–	9.9	80.6	r172.6	1.0
SILK 1985	271.2	83.8	–	–	8.2	75.6	186.6	0.8
35-39 UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS (W)*								
1979	240.8	184.1	18.7	2.1	137.5	25.8	55.7	1.0
1980	209.9	169.0	19.7	0.6	117.0	31.7	39.9	1.0
1981	202.4	162.0	18.3	c	111.0	32.7	39.2	1.2
1982	176.7	136.1	10.9	–	89.4	35.8	39.6	1.0
1983	r196.6	153.0	12.5	–	105.0	35.5	r42.6	1.0
1984	r176.8	130.7	8.6	–	99.9	22.2	r45.1	1.0
SILK 1985	189.0	139.5	6.8	–	108.0	24.7	48.7	0.8
10 31 ROBES & LOUNGEWEAR (MW)*								
1979	134.2	110.8	60.5	0.9	36.2	13.2	20.9	2.5
1980	145.7	126.3	63.0	0.4	38.0	24.9	17.0	2.4
1981	119.3	102.5	44.6	0.2	33.5	24.2	14.0	2.8
1982	84.3	67.4	34.5	–	23.7	9.2	14.6	2.3
1983	r92.5	74.8	39.0	–	22.9	12.9	r15.1	2.6
1984	r98.5	79.6	41.5	–	23.7	14.4	r16.0	2.9
SILK 1985	93.5	73.4	37.2	–	21.2	15.0	17.8	2.3

a. For all lettered and general footnotes to this table and the Home Furnishings and Industrial & Other Consumer-Type Products tables, please see page 215.

TABLE 6b:
APPAREL[a] *(CONTINUED)*

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			CELLULOSIC		NONCELL.			
		TOTAL	YARN	STAPLE	YARN	STAPLE		
54a HIGH PILE FABRICS								
1979	103.0	103.0	c	0.4	13.5	89.1	–	–
1980	100.4	100.4	–	0.1	14.3	86.0	–	–
1981	78.6	78.6	–	0.3	13.1	65.2	–	–
1982	64.1	64.1	–	–	7.0	57.1	–	–
1983	73.8	73.8	–	0.6	15.5	57.7	–	–
1984	61.4	61.4	–	0.3	9.7	51.4	–	–
1985	64.9	64.9	–	1.2	6.4	57.3	–	–
54b FABRICS FOR LINING*								
1979	206.7	146.4	86.8	8.7	24.0	26.9	57.8	2.5
1980	184.0	125.0	78.0	7.5	17.0	22.5	56.6	2.4
1981	199.0	144.7	92.7	3.4	19.2	29.4	51.5	2.8
1982	146.6	100.6	70.1	1.0	15.7	13.8	43.5	2.5
1983	r139.2	99.7	66.7	1.0	24.0	8.0	r36.6	2.9
1984	r152.7	109.6	79.8	1.9	21.7	6.2	r39.9	3.2
1985	149.7	104.6	74.2	1.5	18.7	10.2	42.4	2.7
43 APPAREL LACE (W)*								
1979	6.8	5.3	1.7	–	3.6	–	1.5	–
1980	6.7	5.2	–	–	5.2	–	1.5	–
1981	8.0	6.5	–	–	6.5	–	1.5	–
1982	8.7	7.2	–	–	7.2	–	1.5	–
1983	8.4	6.9	–	–	6.9	–	1.5	–
1984	5.5	4.0	–	–	4.0	–	1.5	–
1985	6.1	4.6	c	–	4.6	–	1.5	–
55 RETAIL PIECE GOODS*								
1979	348.0	250.0	4.0	4.0	121.0	121.0	94.0	4.0
1980	316.7	230.0	3.0	3.0	102.0	122.0	83.7	3.0
1981	310.5	229.5	2.5	2.0	97.0	128.0	77.4	3.6
1982	288.8	217.3	3.5	1.8	83.0	129.0	68.3	3.2
1983	r279.1	210.6	3.0	1.5	81.1	125.0	r65.3	3.2
1984	r247.3	175.3	2.9	1.4	70.0	101.0	r68.4	3.6
1985	229.8	160.8	3.0	1.5	74.3	82.0	66.1	2.9
56a NARROW FABRICS*								
1979	48.4	25.4	5.1	0.4	13.1	6.8	23.0	–
1980	52.8	29.6	7.5	0.3	17.2	4.6	23.2	–
1981	46.6	21.6	5.2	–	14.0	2.4	25.0	–
1982	40.8	17.8	0.9	–	15.3	1.6	23.0	–
1983	49.7	24.7	1.7	–	20.8	2.2	25.0	–
1984	47.9	21.8	0.7	–	19.0	2.1	26.1	–
1985	47.2	23.6	1.5	–	20.4	1.7	23.6	–
TOPWEIGHT FABRICS*								
1979	1048.6	686.0	42.0	49.0	265.0	330.0	360.1	2.5
1980	1008.7	633.0	32.0	41.0	250.0	310.0	373.3	2.4
1981	936.5	558.0	20.0	70.0	188.0	280.0	375.7	2.8
1982	874.2	456.0	14.0	40.0	122.0	280.0	416.1	2.1
1983	r1003.8	587.0	23.0	40.0	174.0	350.0	r413.8	3.0
1984	r874.7	460.0	17.0	45.0	143.0	255.0	r411.3	3.4
1985	819.0	415.9	15.0	35.0	135.9	230.0	400.4	2.7
BOTTOMWEIGHT FABRICS*								
1979	1860.3	966.0	26.0	28.0	592.0	320.0	796.8	97.5
1980	1860.6	970.0	19.0	21.0	580.0	350.0	797.4	93.2
1981	1788.0	926.0	11.0	31.0	554.0	330.0	751.5	110.5
1982	1653.0	844.0	8.0	21.0	482.0	333.0	715.7	93.3
1983	r1909.8	1001.0	8.0	30.0	563.0	400.0	r795.2	113.6
1984	r1811.3	960.0	3.0	35.0	580.0	342.0	r724.4	126.9
1985	1806.7	910.3	3.0	27.0	550.3	330.0	790.7	105.7
OTHER APPAREL & ACCESSORIES (MW)*								
1979	84.1	11.5	–	c	2.5	9.0	72.6	c
1980	72.9	5.7	–	0.7	2.0	3.0	67.2	c
1981	74.8	13.5	–	7.0	2.5	4.0	61.3	c
1982	50.1	10.0	–	3.0	3.0	4.0	40.1	c
1983	r42.8	7.0	–	–	3.0	4.0	r35.8	c
1984	r47.5	7.0	–	–	3.0	4.0	r40.5	c
SILK, LINEN 1985	49.2	7.0	–	–	3.0	4.0	42.2	c

Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers Handbook.***

TABLE 7a:
HOME FURNISHINGS[a]

MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL HOME FURNISHINGS									
	1979	4087.6	3212.7	48.1	146.3	1239.9	1778.4	848.0	26.9
	1980	3656.0	2828.3	47.3	122.4	1189.2	1469.4	801.9	25.8
	1981	3522.6	2749.4	35.7	119.9	1117.3	1476.5	744.5	28.7
	1982	3144.7	2442.9	26.0	78.4	1013.3	1325.2	675.8	26.0
GLASS: 1979-1985	1983	r3950.8	3107.0	27.7	106.9	1319.2	1653.2	r811.8	32.0
15.4, 12.5, 12.7	1984	r4112.1	3225.3	27.5	106.8	1421.2	1669.8	r851.1	35.7
8.8, 13.7, 14.5, NA	1985	4376.2	3466.9	18.5	108.3	1663.7	1676.4	879.7	29.6
*45 BEDSPREADS & QUILTS**									
	1979	137.3	76.5	3.0	3.0	23.5	47.0	60.8	–
	1980	128.2	73.0	5.4	2.1	15.5	50.0	55.2	–
	1981	132.3	82.6	4.9	3.1	15.7	58.9	49.7	–
	1982	123.3	76.7	3.8	2.4	14.0	56.5	46.6	–
	1983	r140.8	91.4	6.0	6.2	16.0	63.2	r49.4	–
	1984	r133.6	81.2	4.0	6.0	15.2	56.0	r52.4	–
	1985	134.6	77.4	c	6.0	17.4	54.0	57.2	–
*46 BLANKETS & BLANKETING**									
	1979	112.1	100.3	0.1	2.0	4.1	94.1	7.3	4.5
	1980	109.1	97.2	–	2.0	3.5	91.7	7.9	4.0
	1981	90.5	78.9	–	0.9	3.5	74.5	7.1	4.5
	1982	79.2	68.0	–	c	2.5	65.5	7.2	4.0
	1983	r70.3	57.2	–	c	1.0	56.2	r8.6	4.5
	1984	r66.8	50.9	–	0.2	1.0	49.7	r10.9	5.0
	1985	73.4	56.4	–	0.2	–	56.2	12.9	4.1
*47 SHEETS & OTHER BEDDING**									
	1979	508.5	.254.1	3.0	9.0	22.2	219.9	254.4	–
	1980	507.9	263.8	2.3	9.4	25.9	226.2	244.1	–
	1981	512.1	299.5	2.6	13.8	34.0	249.1	212.6	–
	1982	424.5	243.4	3.9	10.6	43.2	185.7	181.1	–
	1983	511.7	299.3	0.5	11.6	79.6	207.6	212.4	–
	1984	r520.9	300.0	0.5	15.0	75.7	208.8	r220.9	–
LINEN	1985	452.9	227.0	1.5	12.5	47.9	165.1	225.9	–
*48 TOWELS & TOWELING**									
	1979	334.3	34.3	–	0.5	c	33.8	300.0	–
	1980	328.5	35.3	–	0.9	c	34.4	293.2	–
	1981	326.7	32.6	–	0.9	0.3	31.4	294.1	–
	1982	306.6	28.7	–	0.6	0.8	27.3	277.9	–
	1983	r379.8	36.0	–	0.3	1.7	34.0	r343.8	–
	1984	r366.0	30.3	–	0.7	0.6	29.0	r335.7	–
LINEN, RAMIE	1985	351.1	22.3	–	0.9	0.2	21.2	328.8	–
*56b NARROW FABRICS**									
	1979	6.2	1.9	0.6	–	0.9	0.4	4.3	–
	1980	5.3	1.4	0.2	0.1	0.6	0.5	3.9	–
	1981	6.1	2.3	–	–	0.9	1.4	3.8	–
	1982	5.0	1.8	–	–	0.4	1.4	3.2	–
	1983	5.8	2.1	–	–	0.3	1.8	3.7	–
	1984	4.3	0.5	–	–	c	0.5	3.8	–
	1985	4.8	1.2	–	–	1.2	–	3.6	–

[a] For all lettered and general footnotes to this table and the Home Furnishings and Industrial & Other Consumer-Type Products tables, please see page 216.

Continued From Page 207

LIMITATIONS OF THE SURVEY RESULTS

The statistical results of an end use survey can be only approximations at best. But when the data are viewed as one fiber relative to another, and not as absolute values, then they may be regarded as measuring the long-term trend results of competition between the fibers.

An additional note, the data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small poundages of fibers in such end uses as Apparel Lace (Item 43) and still allow the compilation to add arithmetically.

TABLE 7b:
HOME FURNISHINGS[a] *(CONTINUED)*

MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
50 TOTAL CARPETS & RUGS									
	1979	2270.7	2243.2	--	0.6	1038.5	1204.1	16.6	10.9
	1980	1926.0	1900.7	--	0.2	1001.8	898.7	14.9	10.4
	1981	1837.9	1814.4	--	0.7	918.4	895.3	12.0	11.5
STEEL	1982	1711.0	1690.1	--	0.7	834.2	855.2	10.4	10.5
SEE DETAIL IN	1983	r2206.8	2179.9	--	0.6	1064.6	1114.7	r14.0	12.9
ITEMS 50a & 50b	1984	r2287.1	2258.4	--	0.7	1162.1	1095.6	r14.3	14.4
FOLLOWING	1985	2581.8	2551.7	--	1.3	1412.1	1138.3	18.2	11.9
50a FACE YARNS*									
	1979	2009.0	1994.4	--	0.6	817.8	1176.0	3.7	10.9
	1980	1686.1	1672.7	--	0.2	804.0	868.5	3.0	10.4
	1981	1604.0	1587.3	--	0.7	723.1	863.5	5.2	11.5
	1982	1486.2	1470.9	--	0.7	649.5	820.7	4.8	10.5
NON-ADD	1983	1960.9	1941.1	--	0.6	865.8	1074.7	6.9	12.9
SEE DETAIL	1984	1976.6	1954.5	--	0.7	934.3	1019.5	7.7	14.4
IN FOOTNOTE	1985	2149.5	2125.9	--	1.3	1057.5	1067.1	11.7	11.9
50b BACKING*									
	1979	261.7	248.8	--	--	220.7	28.1	12.9	--
	1980	239.9	228.0	--	--	197.8	30.2	11.9	--
	1981	233.9	227.1	--	--	195.3	31.8	6.8	--
	1982	224.8	219.2	--	--	184.7	34.5	5.6	--
GLASS, JUTE, PAPER	1983	r245.9	238.8	--	--	198.8	40.0	r7.1	--
NON-ADD	1984	r310.5	303.9	--	--	227.8	76.1	r6.6	--
SEE ITEM 50	1985	432.3	425.8	--	--	354.6	71.2	6.5	--
51 CURTAINS*									
ALSO SEE ITEM 52	1979	72.9	62.3	1.4	10.6	23.7	26.6	10.6	--
	1980	89.5	80.1	4.0	7.5	28.4	40.2	9.4	--
	1981	82.2	73.4	5.6	6.8	25.2	35.8	8.8	--
	1982	61.3	53.3	1.3	5.3	18.3	28.4	8.0	--
GLASS:1979-1985	1983	r77.4	68.6	1.2	10.4	25.5	31.5	r8.8	--
0,0,0,0	1984	r102.0	91.2	1.0	9.8	33.1	47.3	r10.8	--
0,0,0	1985	100.6	87.8	2.0	10.2	31.5	44.1	12.8	--
52 DRAPERY & UPHOLSTERY*									
	1979	575.8	398.5	37.5	115.0	112.6	133.4	165.8	11.5
	1980	487.9	328.8	34.1	94.4	94.7	105.6	147.7	11.4
	1981	468.0	322.7	21.4	91.4	103.5	106.4	132.6	12.7
SILK, LINEN, BURLAP	1982	376.5	245.2	15.9	57.7	79.4	92.2	119.8	11.5
GLASS: 1979-1985	1983	r475.7	315.3	17.7	76.9	104.3	116.4	r145.8	14.6
7.6, 3.6, 3.7	1984	r519.9	327.8	19.3	73.4	87.3	147.8	r175.8	16.3
3.1, 3.8, 4.0, NA	1985	542.9	335.1	12.8	70.8	104.6	146.9	194.2	13.6
OTHER HOME FURNISHINGS*									
	1979	73.9	45.7	2.5	5.6	18.5	19.1	28.2	--
	1980	73.6	48.0	1.3	5.8	18.8	22.1	25.6	--
	1981	66.8	43.0	1.2	2.3	15.8	23.7	23.8	--
LINEN	1982	57.3	35.7	1.1	1.1	20.5	13.0	21.6	--
GLASS: 1979-1985	1983	r82.5	57.2	2.3	0.9	26.2	27.8	r25.3	--
7.8, 8.9, 9.0	1984	r111.5	85.0	2.7	1.0	46.2	35.1	r26.5	--
5.7, 9.9, 10.5, NA	1985	134.1	108.0	2.2	6.4	48.8	50.6	26.1	--

Noncellulosic yarn includes textile glass. No longer available in 1985.
Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook.***

TABLE 8a:
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS [a]

MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS [b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
TOTAL INDUSTRIAL & OTHER CONSUMER									
	1979	3487.5	3017.3	52.4	220.5	2019.7	724.7	461.7	8.5
	1980	3111.2	2688.1	41.8	209.2	1804.8	632.3	412.4	10.7
	1981	3350.2	2934.5	41.4	188.8	2027.6	676.7	403.9	11.8
GLASS: 1979-1985	1982	2980.6	2593.2	30.1	165.2	1759.4	638.5	377.1	10.3
907.2, 861.8, 951.1,	1983	r3624.5	3226.5	22.5	173.3	2177.4	855.3	r382.0	14.0
866.8, 1190.3,	1984	r3740.1	3344.4	27.9	159.4	2234.4	922.7	r374.7	21.0
1236.2, NA	1985	2479.7	2107.0	30.2	160.1	983.8	932.9	359.6	13.1
56c NARROW FABRICS*									
	1979	95.2	79.5	0.2	c	79.0	0.3	15.7	--
	1980	86.7	71.9	1.0	--	68.1	2.8	14.8	--
	1981	91.5	77.8	3.4	--	74.0	0.4	13.7	--
	1982	87.4	74.9	3.1	--	70.5	1.3	12.5	--
	1983	100.8	88.8	1.0	--	86.6	1.2	12.0	--
	1984	110.9	98.1	0.9	--	96.9	0.3	12.8	--
SILK, LINEN	1985	124.9	112.4	--	--	112.4	c	12.5	--
61 MEDICAL, SURGICAL & SANITARY*									
	1979	359.1	259.9	--	155.0	24.5	80.4	99.2	--
	1980	343.4	253.2	c	141.7	31.6	79.9	90.2	--
	1981	336.2	248.5	--	122.1	38.1	88.3	87.7	--
	1982	324.8	234.6	--	106.2	39.9	88.5	90.2	--
	1983	r339.3	250.3	--	114.3	46.5	89.5	r89.0	--
	1984	r328.6	241.6	--	116.1	54.0	71.5	r87.0	--
	1985	297.6	217.8	--	104.4	58.7	54.7	79.8	--
63-64 TRANSPORTATION FABRIC*									
	1979	59.0	42.5	0.6	2.9	18.8	20.2	16.5	--
	1980	48.5	37.8	--	1.1	16.5	20.2	10.7	--
	1981	62.6	52.8	--	0.5	22.2	30.1	9.8	--
	1982	47.6	38.7	--	1.4	22.8	14.5	8.9	--
	1983	r63.5	53.5	--	0.6	32.3	20.6	r10.0	--
	1984	r72.0	61.4	--	1.1	36.5	23.8	r10.6	--
	1985	85.6	74.3	--	0.8	54.0	19.5	11.3	--
65 TIRES*									
	1979	572.1	565.9	25.7	--	540.2	--	6.2	--
	1980	418.4	413.0	20.5	--	392.5	--	5.4	--
	1981	428.8	424.1	18.9	--	405.2	--	4.7	--
STEEL-SEE FOOTNOTE	1982	359.1	355.2	12.5	--	342.7	--	3.9	--
GLASS: 1979-1985	1983	360.0	356.0	11.0	--	345.0	--	4.0	--
27.4, 22.0, 23.7, 23.6,	1984	r393.3	389.6	14.0	--	375.6	--	r3.7	--
24.2, 24.8, NA	1985	314.7	311.4	9.8	--	301.6	--	3.3	--
66 HOSE*									
	1979	52.5	47.2	15.5	--	19.9	11.8	5.3	--
	1980	43.2	38.7	11.9	--	18.3	8.5	4.5	--
	1981	47.3	42.9	11.5	--	21.7	9.7	4.4	--
	1982	28.8	26.3	7.0	--	15.5	3.8	2.5	--
	1983	r27.5	24.8	6.5	--	15.7	2.6	r2.7	--
	1984	32.9	30.1	8.0	--	19.5	2.6	2.8	--
LINEN	1985	29.4	27.5	11.8	--	15.3	0.4	1.9	--
67 BELTING*									
	1979	92.6	76.9	2.7	0.2	44.7	29.3	15.7	--
	1980	63.4	51.5	2.0	0.7	34.5	14.3	11.9	--
	1981	66.6	54.1	2.4	1.0	37.7	13.0	12.5	--
	1982	48.3	37.8	1.8	0.5	26.7	8.8	10.5	--
GLASS: 1979-1985	1983	r53.6	44.5	1.9	--	28.0	14.6	r9.1	--
0, 0, 0, 0,	1984	r59.9	50.7	3.0	--	31.4	16.3	r9.2	--
0, 0, 0	1985	44.8	33.5	2.5	--	25.1	5.9	11.3	--
69,77 ELECTRICAL & REINFORCED PLASTICS*									
	1979	679.6	654.6	0.2	--	654.2	0.2	25.0	--
	1980	593.4	568.4	--	--	568.4	c	25.0	--
	1981	613.4	588.4	c	--	588.3	0.1	25.0	--
SILK, LINEN, JUTE	1982	486.8	461.8	--	--	461.8	c	25.0	--
GLASS: 1979-1985	1983	662.6	637.6	--	--	637.6	c	25.0	--
648.0, 559.8, 582.3,	1984	735.3	710.3	0.2	--	710.1	c	25.0	--
455.2, 632.7, 705.1, NA	1985	31.3	6.3	0.1	--	6.2	--	25.0	--
70 FELTS*									
	1979	26.5	17.6	--	5.3	5.2	7.1	1.4	7.5
	1980	28.1	17.0	--	3.4	4.8	8.8	1.4	9.7
	1981	27.0	14.8	--	4.0	5.2	5.6	1.4	10.8
	1982	20.2	9.6	--	--	4.6	5.0	1.3	9.3
	1983	27.0	12.7	--	3.5	3.9	5.3	1.3	13.0
	1984	r34.7	13.5	--	3.5	4.0	6.0	r1.2	20.0
	1985	23.7	10.6	--	2.0	3.9	4.7	1.0	12.1

[a] For all lettered and general footnotes to this table, please see page 216.

TABLE 8b:
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a] *(CONTINUED)*

MILLION POUNDS

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
			TOTAL	CELLULOSIC		NONCELL.			
				YARN	STAPLE	YARN	STAPLE		
71 FILTRATION*									
CIGARETTE FILTRATION	1979	46.0	40.8	--	3.3	10.5	27.0	5.2	--
	1980	47.8	42.2	--	4.0	8.4	29.8	5.6	--
	1981	39.6	34.0	--	4.1	10.1	19.8	5.6	--
	1982	35.9	30.9	--	3.7	9.6	17.6	5.0	--
GLASS: 1979-1985	1983	39.2	34.0	--	1.3	8.8	23.9	5.2	--
6.0, 4.3, 5.0, 4.0,	1984	39.3	34.5	--	3.3	9.8	21.4	4.8	--
5.0, 5.0, NA	1985	37.3	32.8	--	3.2	5.2	24.4	4.5	--
72 SEWING THREAD*									
	1979	111.3	62.6	0.1	3.7	45.7	13.1	48.7	--
	1980	111.9	64.7	c	5.6	46.2	12.9	47.2	--
	1981	135.2	73.7	c	8.0	49.5	16.2	61.5	--
	1982	114.2	60.6	c	7.1	40.0	13.5	53.6	--
	1983	r133.8	76.3	c	7.6	50.0	18.7	r57.5	--
	1984	r123.6	72.2	c	5.2	51.1	15.9	r51.4	--
SILK, LINEN	1985	126.6	81.0	0.4	6.7	57.3	17.0	45.6	--
73 ROPE, CORDAGE, FISHLINE, ETC.*									
	1979	186.2	156.5	2.0	2.1	147.1	5.3	29.7	--
	1980	162.7	135.6	1.8	0.9	130.6	2.3	27.1	--
	1981	172.4	148.2	1.8	0.7	137.4	8.3	24.2	--
	1982	162.5	139.3	1.0	0.8	126.6	10.9	23.2	--
	1983	r170.0	152.2	0.8	0.6	138.3	12.5	r17.8	--
SISAL, LINEN	1984	r186.5	170.9	1.0	0.3	157.1	12.5	r15.6	--
JUTE, SILK	1985	183.7	169.5	0.6	0.6	157.3	11.0	14.2	--
74 BAGS & BAGGING*									
	1979	62.2	55.0	--	--	53.6	1.4	7.2	--
	1980	67.2	60.4	--	--	60.4	--	6.8	--
	1981	69.5	62.9	--	--	61.6	1.3	6.6	--
	1982	68.8	62.6	--	--	62.6	--	6.2	--
	1983	r75.3	69.5	--	--	67.5	2.0	r5.8	--
	1984	46.6	41.3	--	--	40.5	0.8	5.3	--
JUTE	1985	60.2	55.1	--	--	54.5	0.6	5.1	--
75 COATED & PROTECTIVE FABRICS*									
	1979	167.3	113.8	0.1	10.2	40.9	62.6	53.5	--
	1980	175.7	124.2	0.5	10.5	33.3	79.9	51.5	--
	1981	173.0	124.7	--	10.4	33.1	81.2	48.3	--
	1982	164.7	120.4	--	7.1	42.3	71.0	44.3	--
GLASS: 1979-1985	1983	r232.1	181.9	--	10.6	50.2	121.1	r50.2	--
4.0, 3.0, 4.0, 3.0,	1984	r255.2	198.2	--	10.5	59.0	128.7	r57.0	--
4.0, 4.0, NA	1985	190.2	131.5	--	10.2	41.7	79.6	58.7	--
76 PAPER & TAPE REINFORCING*									
	1979	46.7	41.6	1.2	c	40.0	0.4	5.1	--
	1980	40.7	36.2	1.3	c	34.7	0.2	4.5	--
	1981	41.8	38.0	c	0.9	36.6	0.5	3.8	--
JUTE	1982	36.1	33.1	c	0.9	29.9	2.3	3.0	--
GLASS: 1979-1985	1983	39.2	35.8	c	0.4	34.1	1.3	3.4	--
39.5, 32.7, 36.0, 28.5,	1984	47.1	43.4	0.3	0.4	38.7	4.0	3.7	--
33.5, 36.0, NA	1985	6.8	3.9	1.8	0.4	1.7	--	2.9	--
79a FIBERFILL, STUFFING & FLOCK*									
	1979	311.2	311.2	--	5.5	--	305.7	--	--
	1980	254.9	254.9	--	6.3	--	248.6	--	--
	1981	293.5	293.5	--	10.7	--	282.8	--	--
	1982	277.2	277.2	--	7.2	--	270.0	--	--
	1983	331.7	331.7	--	7.4	--	324.3	--	--
	1984	321.4	321.4	--	4.1	--	317.3	--	--
	1985	348.6	348.6	--	6.5	--	342.1	--	--
79b UNALLOCATED NONWOVENS*									
	1979	118.3	118.3	--	14.8	--	103.5	--	--
	1980	95.4	95.4	--	14.1	--	81.3	--	--
	1981	83.0	83.0	--	12.0	--	71.0	--	--
	1982	90.4	90.4	--	9.2	--	81.2	--	--
	1983	136.6	136.6	--	6.9	--	129.7	--	--
	1984	189.2	189.2	--	3.0	--	186.2	--	--
	1985	245.5	245.5	--	12.4	--	233.1	--	--
MISCELLANEOUS INDUSTRIAL & CONSUMER-TYPE PRODUCTS*									
	1979	501.7	373.4	4.1	17.5	295.4	56.4	127.3	1.0
	1980	529.8	423.0	2.8	20.9	356.5	42.8	105.8	1.0
	1981	668.8	573.1	3.4	14.4	506.9	48.4	94.7	1.0
GLASS: 1979-1985	1982	627.8	539.8	4.7	21.1	463.9	50.1	87.0	1.0
182.3, 240.1, 318.3,	1983	832.3	742.3	1.3	20.1	632.9	88.0	89.0	1.0
325.5, 490.9, 461.3,	1984	r763.6	678.0	0.5	11.9	550.2	115.4	r84.6	1.0
NA	1985	328.8	245.3	3.6	12.9	88.9	139.9	82.5	1.0

Noncellulosic yarn includes fiber glass. No longer available in 1985.
Most of the above data are taken from the Textile Economics Bureau's publication ***Man-Made Fiber Producers' Handbook***.

TABLE 9:
EXPORTS OF DOMESTIC PRODUCTS[a]
MILLION POUNDS

		MAN-MADE FIBERS[b]						
	TOTAL		CELLULOSIC		NONCELL.			
END USE & YEAR	FIBER	TOTAL	YARN	STAPLE	YARN	STAPLE	COTTON	WOOL
TOTAL EXPORTS OF DOMESTIC PRODUCTS								
1979	620.4	313.4	21.0	12.0	128.6	151.8	301.3	5.7
1980	617.5	351.8	20.0	10.8	141.0	180.0	259.3	6.4
1981	489.9	318.6	17.2	10.3	121.0	170.1	165.8	5.5
1982	338.7	217.5	11.7	6.9	82.5	116.4	114.9	6.3
1983	281.6	185.9	11.0	6.0	70.0	98.9	90.6	5.1
1984	279.5	190.9	9.4	6.1	73.0	102.4	84.5	4.1
1985	328.4	209.5	9.6	6.6	75.8	117.5	108.0	10.9
*80 YARN, THREAD, ETC**								
1979	94.2	55.8	e	4.0	e	51.8	34.2	4.2
1980	105.1	53.3	e	3.3	e	50.0	47.0	4.8
1981	103.9	62.2	e	3.9	e	58.3	38.1	3.6
1982	77.7	42.7	e	2.5	e	40.2	30.1	4.9
1983	72.5	37.3	e	2.0	e	35.3	31.2	4.0
1984	61.0	38.3	e	2.6	e	35.7	20.0	2.7
1985	86.0	50.9	e	2.7	e	48.2	25.8	9.3
*81 WOVEN & KNIT FABRIC**								
1979	526.2	257.6	21.0	8.0	128.6	100.0	267.1	1.5
1980	512.4	298.5	20.0	7.5	141.0	130.0	212.3	1.6
1981	386.0	256.4	17.2	6.4	121.0	111.8	127.7	1.9
1982	261.0	174.8	11.7	4.4	82.5	76.2	84.8	1.4
1983	209.1	148.6	11.0	4.0	70.0	63.6	59.4	1.1
1984	218.5	152.6	9.4	3.5	73.0	66.7	64.5	1.4
1985	242.4	158.6	9.6	3.9	75.8	69.3	82.2	1.6
*82 TIRE CORD & CORD FABRIC**								
1979	INCLUDED IN TIRES (END USE 65)							
1980								
1981								
1982								
1983								
1984								
1985								

a. For all lettered and general footnotes to this table, please see page 215.

NOTES FOR EXPORT ITEMS ABOVE

For all lettered and general footnotes to this table, see page 215.

These exports do not duplicate the end use poundages that are reported in Items1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut, i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of man-made fiber filament yarn+monofilaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

These data agree with the corresponding figures on page 189 of the August 1986 ***Organon,*** as revised.

80. **YARN, THREAD, ETC:**
Consists of sliver, tops & roving; plied, thrown and spun yarn; sewing thread and handwork yarns; cotton twine and cordage; and advanced wool.

81. **WOVEN & KNIT FABRIC:**
Consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric. See footnote on page 189 of the August1986 ***Organon.***

82. **TIRE CORD & CORD FABRIC:**
Data shown in this series in previous ***Organon*** issues have been incorporated into Item 65, Tires. See footnote 65 on page 217.

GENERAL NOTES FOR END USE TABLES
ON PAGES 208-214

Units are in million pounds.

- - Means that little, or none, of the fiber is used.

* When an asterisk appears, there is a footnote at the end of the table.

● Means a significant revision in the 1979-1984 data series compared with the corresponding data shown in the September 1985 ***Organon*** issue. Earlier years' data on the new basis are not available.

a. This letter in the title of each table refers the reader to these notes.

b. Man-made fiber end use in these tables is divided between Cellulosic (rayon+acetate fibers) and Noncellulosic (nylon, polyester, acrylic, olefin, saran, spandex and textile glass fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill; see Item 79a, Fiberfill, Stuffing & Flock and its footnote on page 217. All textile glass fiber is tabulated as yarn. In 1985, textile glass fiber is no longer included. Certain waste poundages, which are tabulated with staple, are included; see text on page 204.

The noncellulosic fibers included in this survey, for one or more years, are the acrylic, aramid, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester, saran, spandex and vinyon fibers.

c. Means less than 50,000 pounds, i.e., nominal.

d. The staple data are tabulated in the yarn column.

e. The yarn data are tabulated in the staple column.

r. This datum shows a significant revision compared with the September 1985 ***Organon*** data.

When textile glass fiber is included in an end use, the word "Glass" appears in the lower left corner of the end use box, together with the annual consumption data for 1979-1984. These glass fiber poundages are included with noncellulosic yarn in that end use and in the section totals.

When silk, linen, jute, sisal, etc., are consumed in an end use, in addition to cotton, wool and the man-made fibers, the fiber is named in the middle left of the end use box, but no poundage data for such fibers are included in either such end use or in the section totals.

As described in the footnotes to Items 54a and 54b above, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and W means all other persons, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

NOTES FOR APPAREL ITEMS
PAGES 208-209

For all lettered and general footnotes to this table, see notes above.

40. **SHEER HOSIERY:**
Includes pantyhose, stockings, body stockings, leotards & tights, sheer knee-highs & anklets and support hose.

19,41. **ANKLETS & SOCKS:**
Include footsocks, anklets, half-hose, over-the-calf hosiery and nonsheer knee-highs for all ages and both sexes. Also includes infants' and children's waist-highs.

8,29. **SWEATERS (MW):**
Knitted sweater shirts, coats, jackets and related accessories. Also note Item 57.

57. **CRAFT & HANDWORK YARNS:**
Yarn and thread for crocheting, darning, embroidery, mending, hand knitting, etc. Does not include sewing thread (Item 72). Olefin yarn for macramé is in Miscellaneous Industrial.

16-18. **UNDERWEAR & NIGHTWEAR (M):**
Undershirts, shorts & briefs, sleep coats, pajamas, nightshirts, thermal underwear, etc.

35-39. **UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS:**
Underwear and nightwear component includes full and half-slips, panties, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, sleep & lounging pajamas, sleep coats, peignoir & robe sets with nightgowns or pajamas, negligees and bedjackets. Also includes bodywear and all children's and infants' underwear & nightwear.
Excludes the trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations include corsets, girdles, combinations and one-piece garments, garter belts, hose supporters, two-way stretch and surgical & maternity foundation garments.

10,31. **ROBES & LOUNGEWEAR (MW):**
Men's & boys' beach & bathrobes, dressing gowns and smoking jackets; and women's beach & bathrobes and housecoats.

54a. **HIGH PILE FABRICS:**
Include all applications. End uses such as coatings, collar trims, linings, backings and paint rollers are included. Napped or brushed fabrics such as fleeces, velvets or corduroys are excluded.

54b. **FABRICS FOR LINING:**
All man-made fiber types except high pile fabrics (Item 54a), lining-type fabrics sold as retail piece goods (see Item 55) and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other Consumer-Type). The apparel lining component of this series includes main linings, interlinings, zip-in linings (except pile), linings for pockets and waistbands as well as the acetate and nylon tricot used for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and nonwoven fabrics.

43. **APPAREL LACE:**
Nets and veilings.

55. **RETAIL PIECE GOODS:**
Mainly women's apparel-type fabrics but all other types of apparel fabrics are included in addition to fabrics destined for apparel linings and home furnishings application.

56a. **NARROW FABRICS:** ELASTIC AND NONELASTIC TYPES.

The "narrow woven goods" made by slicing thermoplastic fiber broad woven fabrics with a hot knife to produce fused-edge narrow fabrics are not included here. **NARROW FABRIC** poundages for home furnishings and industrial uses are shown in those sections.

TOPWEIGHT FABRICS:

All shirts, blouses, lightweight dress and other lightweight fabrics. The fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are in Item 55.

BOTTOMWEIGHT FABRICS:

Pants, sportswear, tailored clothing, career apparel and other heavier weight fabrics. The fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are in Item 55.

OTHER APPAREL:

Men's & women's work gloves and handkerchiefs. Man-made fiber used for knitted accessories such as scarves, mufflers, gloves, caps, etc., is in Items 8 & 29.

NOTES FOR HOME FURNISHING ITEMS
PAGES 210-211

For all lettered and general footnotes to this table, see page 215.

HOME FURNISHINGS:

Data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the poundages tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the man-made fibers, however, stuffing & fiberfill is tabulated in the Industrial section. Note text page 204 regarding the inclusion of certain man-made fiber waste poundages here. Certain felt poundages are in Item 70.

45. **BEDSPREADS:**

Tailored & throw spreads, both tufted & woven , as well as the backing. **QUILTS:** Comforters and their outer shell; quilted pads are in Item 47.

46. **BLANKETS & BLANKETING:**

Woven, knitted, needle-punched and flocked full-size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable poundages of rayon, acrylic, nylon & wool waste are included here.

47. **SHEETS:**

Pillowcases. **OTHER BEDDING:** Outside cover of quilted pads, mattress pads, mattresses & innersprings, civilian cots and sleeping bags. Mattress felts are in Item 70. The man-made staple poundages here are mainly polyester for sheets and rayon & polyester for bed ticking. The man-made filament is chiefly polyester for bed ticking.

48. **TOWELS & TOWELING:**

Woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi-wipes" and industrial wiping cloths, are in Item 61. The large cotton waste poundage used in these products is not included.

56b. **NARROW FABRICS:**

56b. Only home furnishings applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

50. **CARPETS & RUGS FACE FIBER (TOTAL):**

Sum of 50a & 50b.

50a. **FACE YARNS:**

Tufted, woven, knitted and needle-punched types. Tufted includes broadloom & roll goods, transportation carpeting, scatter rugs, bath mats and "grass." Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needle-punched are the indoor-outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

50b. **CARPET BACKING FIBERS:**

The Cellulosic Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spunbonded) and small poundages of nylon & polyester filament yarn. The Other Staple is olefin only.

The substantial poundages of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the poundages of wool, hair and jute used in carpet and rug pads and cushions.

51. **CURTAINS:**

Lace and other types (principally woven) i.e., cafe, tiered & cottage; ruffled; shortie drapes and tailored. Shower curtains are in Other Home Furnishings.

52. **DRAPERY & UPHOLSTERY:**

Furniture slipcovers and vinyl-coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furniture is included under Narrow Woven Industrial (Item 56c). Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings.

OTHER HOME FURNISHINGS:

Woven & lace napery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the man-made fibers, it includes insect screening & netting. Wall covering fabric is in Miscellaneous Industrial.

NOTES FOR INDUSTRIAL & OTHER CONSUMER-TYPE ITEMS
PAGES 212-213

For all lettered and general footnotes to this table, see page 215.

56c. **NARROW FABRICS:**

Woven labels, industrial webbing, shoelaces, tapes (venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, and outdoor furniture webs. These figures exclude transmission & conveyor belting (in Item 67); friction tape and the braided narrow fabric used in electrical applications (in Item 69); and gummed cotton tape (in Item 76).

61. **MEDICAL, SURGICAL & SANITARY:**

Bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabulated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

63 & 64. TRANSPORTATION FABRIC:

Auto seat upholstery & slipcovers, sidewall, headlining (except textile glass in Item 77) and sheeting. The cotton poundages include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. It does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc., or the textile glass fiber used in reinforced plastic seating for subways, buses, etc. (in Item 77). Starting in 1979, the man-made fiber used for substrates for automotive fabric is included in Item 75.

65. TIRES:

All types, i.e., automobile, truck, tractor, off-road, bicycle, etc. The data include tire cord & tire cord fabric, chafer and other tire components, i.e., flipper fabric, breaker strips, bead wraps, etc.

The data include imports of tire yarn, cord & fabric and also cover any poundages subsequently exported in cord or fabric form. The glass figures represent uncoated yarns and are no longer available in 1985.

The consumption of steel tire cord for the years 1979-1985 inclusive is estimated as follows: 180.0, 142.0, 154.3, 159.8, 219.2, 300.5 & 317.6. However, these poundages are **not included** in Item 65 above.

66. HOSE:

Fire, chemical, fuel, etc. Does not include braided vacuum cleaner hose.

67. BELTING:

Includes flat conveyor & transmission belts (both rubberized and nonrubberized) and V-belts.

69 & 77. ELECTRICAL APPLICATIONS & REINFORCED PLASTICS:

The cotton poundages are estimated.

Electrical Applications: Electric wire insulation & covering of all kinds plus friction tape and cable wrap, stuffing & identification. The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics: High- and low-pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.) and marine, missiles, molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use, e.g., vinyl-supported upholstery fabric in Item 63, etc.

70. FELTS:

Wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Patio and similar "felts" are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. The wool poundage includes some felts used in filtration (recorded here and not in Item 71), but excludes the substantial amounts used in pressed felts.

71. FILTRATION:

Woven and nonwoven filters for wet & dry filtration, including tea bags. The small wool poundage used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72. SEWING THREAD:

Home sewing and industrial & weight goods, as well as medical sutures.

73. ROPE (Braided & twisted), **CORDAGE** (under 3/16"), **FISHLINE, ETC:**

Includes hawsers, baler or harvest twine, clothesline, tying twine, etc., as well as fishnets, seines & netting twine.

74. BAGS & BAGGING:

Man-made Other Yarn is nylon mailbags plus olefin leno mesh & close-woven bags, including sandbags; also includes olefin bagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75. COATED & PROTECTIVE FABRICS:

For the man-made fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets; awnings; beach, garden & tractor umbrellas; inflatable dunnage & cushions; air-supported structures & automotive air-spring diaphragms and boat & pool covers.

The cotton poundages include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton poundages used for vinyl substrates; such poundages are tabulated with their appropriate end use, i.e., transportation upholstery (Items 63 & 64), upholstery (Item 52), etc. Man-made fiber surfaces for recreational fields are not included in this survey.

76. PAPER & TAPE REINFORCING:

Gummed and pressure-sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

79a. FIBERFILL, STUFFING & FLOCK:

All applications (apparel, home furnishings & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1979-1985 inclusive was: 240.8, 206.1, 228.3, 229.3, 276.5, 277.7 & 281.1. For the same years, use of polyester waste for stuffing and filling materials was: 45.4, 24.0, 20.7, 24.1, 30.4, 24.8 & 50.5.

79b. UNALLOCATED NONWOVENS:

All nonwoven poundages remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary; filtration; coated & protective fabrics; and paper & tape reinforcing, have been calculated.

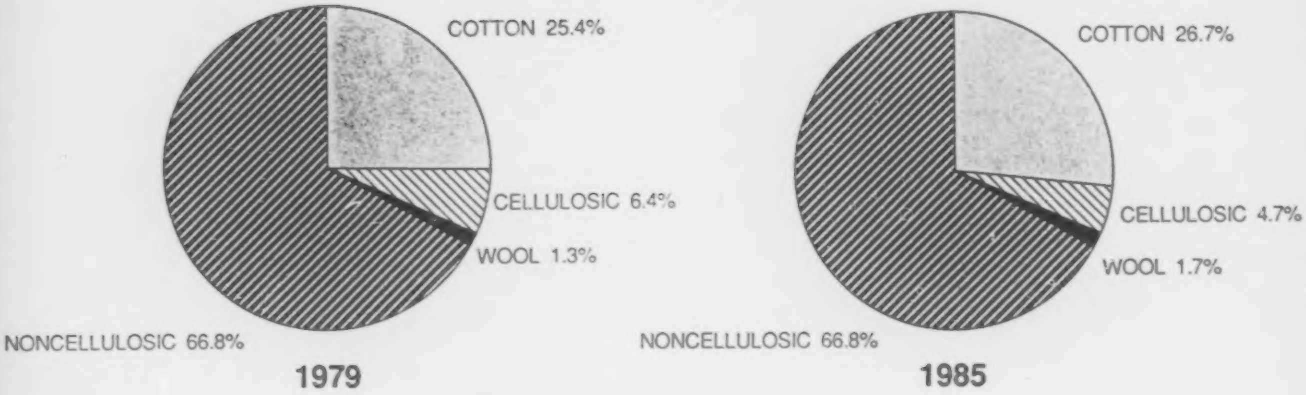
MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS:

The cotton for abrasives; book binding; luggage & handbags; shoes & slippers; tobacco cloth; woven wiping cloths and wall-covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and macramé and other craft yarns.

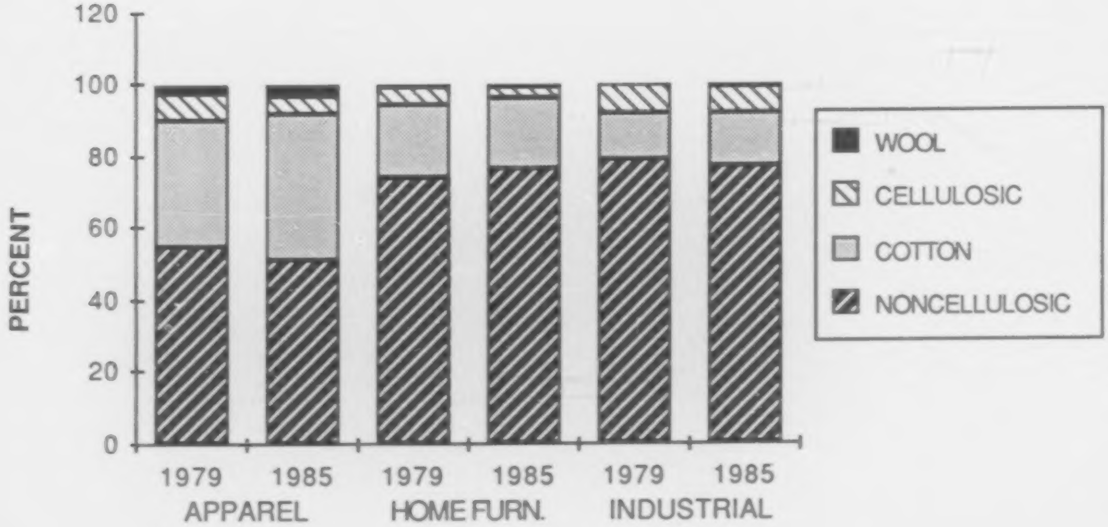
Also included under Other Yarn are the substantial poundages of textile glass fiber not allocated elsewhere, particularly the poundages used in the manufacture of roofing shingles, built-up roofing and wall board & plaster.

GRAPH 1:
PERCENT SHARE OF U.S. END USE SUMMARY

TOTAL END USE BY FIBER



TOTAL END USE BY SEGMENT & FIBER



MAN-MADE FIBER TRADE BALANCE CONTINUES TO FALL

The U.S. man-made fiber balance of trade fell sharply in July, as the net- export balance of trade fell to 9.4 million pounds, down from the 16.6 million pound export balance in June.

Falling exports coupled with rising imports caused the decline in the trade balance. Imports of fiber totaled 36.5 million pounds, up over 11% from the June level of 32.8 million pounds. July exports of fiber totaled 45.9 million pounds, down over 7% from the 49.5 million pounds exported in June.

The July trade balance is almost 83% below that of July 1985. This month's exports are nearly 45% lower than the level of last July, when exports totaled 83.6 million pounds. Imports in July are up almost 21% from the import level of 30.2 million pounds of July 1985.

JULY DETAIL

The net-export balance of trade in noncellulosic staple+tow plummeted 70% in July to 1.2 million pounds and the net-export blance in noncellulosic yarn+monofilaments fell nearly 10% to 6.4 million pounds.

The noncellulosic staple+tow balance of trade declined in July as exports fell 2.1%, while imports rose nearly 17%.

The balance of trade for noncellulosic yarn+monofilaments fell in July as imports rose by almost 6% and exports remained virtually unchanged.

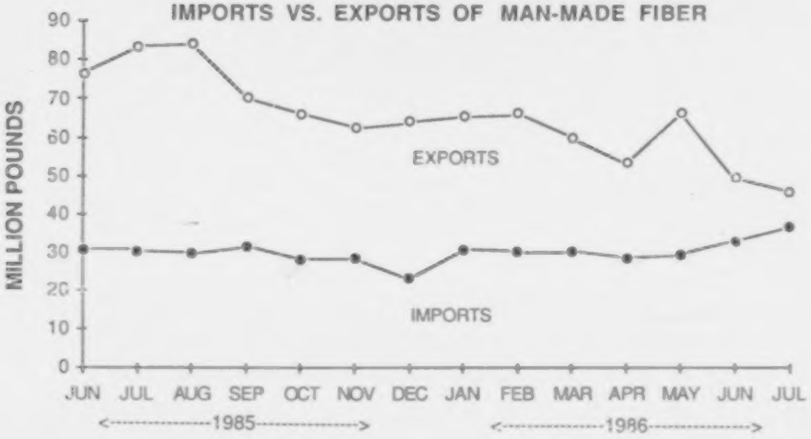
Products to note in July:

- Acrylic staple+tow. Imports rose nearly 91%.
- Nylon staple. Imports increased by 60%.
- Noncellulosic staple. Imports rose by almost 29%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ***ORGANON.***

GRAPH 2:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 3:
MAN-MADE FIBER TRADE BALANCE DETAIL

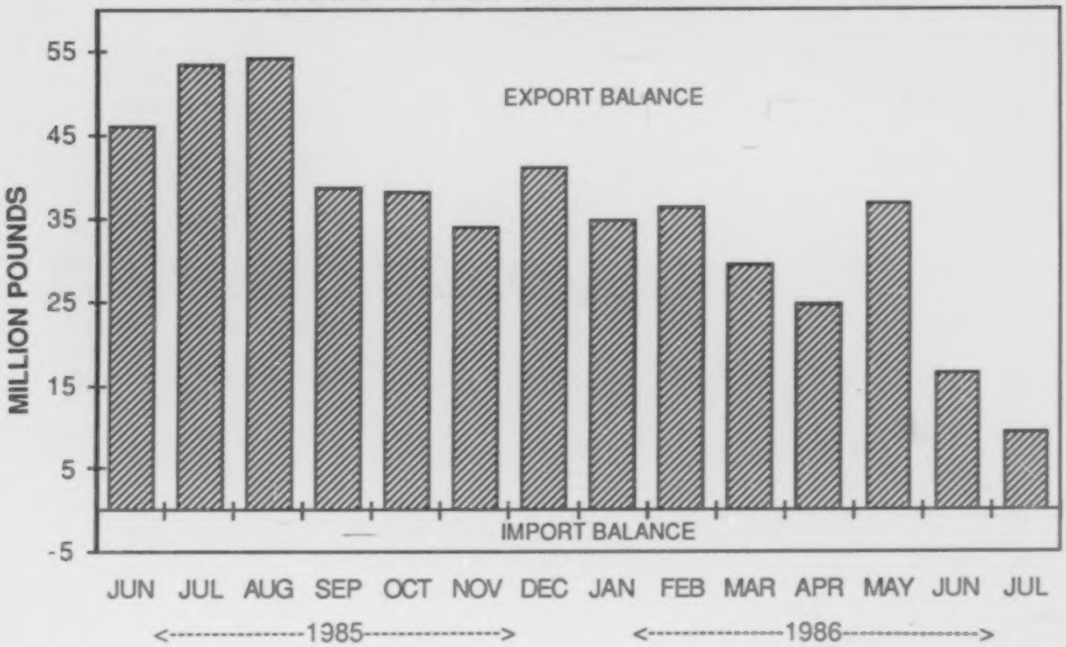


TABLE 10:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985							1986						
	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
CELLULOSIC YARN+MONOFILAMENTS	0.8 I	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I	0.1 I	0.7 I	0.7 I
CELLULOSIC STAPLE+TOW	4.4 E	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E	0.4 I	1.4 E	0.4 E	1.5 E
NONCELLULOSIC YARN+MONOFILAMENTS	22.4 E	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E	13.6 E	20.0 E	7.1 E	6.4 E
NONCELLULOSIC STAPLE+TOW	17.2 E	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E	4.0 E	8.6 E	4.0 E	1.2 E
CELLULOSIC WASTE	0.1 E	+	+	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E	0.3 E	0.1 E	0.1 E	0.1 E
NONCELLULOSIC WASTE	2.9 E	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E	8.3 E	7.0 E	5.7 E	0.9 E
TOTAL	46.2 E	53.6 E	54.5 E	38.7 E	38.2 E	34.1 E	41.1 E	34.8 E	36.3 E	29.6 E	24.9 E	37.0 E	16.6 E	9.4 E

I means net-import balance.
E means net-export balance.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0	0						191	365
CANADA	200	420	226	302	698	431	465						2742	1169
GERMANY, FED. REP. OF	482	284	783	594	22	494	489						3148	3024
JAPAN	95	41	50	25	35	26	32						304	312
MEXICO	61	114	0	62	0	0	63						320	616
NETHERLANDS	195	181	167	233	34	179	124						1113	728
REP. OF KOREA	80	60	80	80	0	60	20						380	161
ALL OTHER COUNTRIES [a]	160	146	136	265	95	118	40						960	424
TOTAL CELLULOSIC YARN	1375	1302	1442	1614	884	1308	1233						9158	6799
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150	102						992	209
CANADA	777	981	724	948	764	620	1221						6035	3985
JAPAN	143	75	128	108	108	89	63						714	328
MEXICO	310	0	109	123	41	142	82						807	0
UNITED KINGDOM	105	39	80	69	42	40	114						489	824
ALL OTHER COUNTRIES [b]	11	0	268	10	105	297	116						807	2049
TOTAL CELLULOSIC STAPLE+TOW	1605	1095	1526	1384	1198	1338	1698						9844	7395
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18	7						82	115
AUSTRIA	113	7	115	4	150	47	135						571	525
BELGIUM	1152	1901	531	297	449	1550	1024						6904	4393
BRAZIL	1	56	0	0	6	0	0						63	214
CANADA	1282	338	857	1384	1239	1598	1793						8491	8171
COSTA RICA	480	430	349	608	736	647	468						3718	69
FRANCE	405	689	679	249	493	456	889						3860	2707
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022	2735						13237	11685
ISRAEL	413	277	316	226	179	239	487						2137	1338
ITALY	790	529	1158	895	1083	1331	1598						7384	7752
JAPAN	646	553	1019	693	895	758	807						5371	4386
MEXICO	128	917	1223	931	928	431	1366						5924	5001
NETHERLANDS	74	213	29	6	255	249	47						873	498
SOUTH AFRICA	853	866	532	631	565	143	322						3912	6450
SWITZERLAND	74	74	1	2	224	59	1						435	175
TAIWAN	36	39	47	144	111	32	205						614	151
UNITED KINGDOM	573	510	352	307	454	581	754						3531	4369
YUGOSLAVIA	85	0	0	0	0	0	0						85	2027
ALL OTHER COUNTRIES [c]	47	218	192	215	172	145	369						1358	977
TOTAL NONCELLULOSIC YARN	8347	8832	8828	7368	9862	12306	13007						68550	61003
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41	18						283	347
BRAZIL	35	60	22	0	0	161	179						457	2889
CANADA	2650	1831	1430	1882	1977	1812	1464						13046	14266
COSTA RICA	31	44	0	0	0	0	0						75	1596
FRANCE	996	984	984	761	868	782	819						6214	5721
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524	2194						19101	14611
ISRAEL	42	81	48	80	28	44	25						348	617
ITALY	1237	1748	1504	1525	721	1345	2619						10699	8174
JAPAN	1919	1523	2265	1431	1515	2286	2381						13320	12277
MEXICO	1025	1105	1011	1249	1599	832	1973						8794	4657
NETHERLANDS	20	0	+	43	0	0	29						92	272
REP. OF KOREA	492	355	551	88	343	650	431						2910	2438
ROMANIA	210	88	158	0	438	0	456						1350	566
SOUTH AFRICA	80	88	0	25	53	53	49						348	313
SWITZERLAND	137	0	23	48	88	96	84						476	327
TAIWAN	2105	1587	2111	1961	1272	1380	2039						12455	10157
UNITED KINGDOM	1819	2340	2151	2271	1800	2008	1659						14048	8139
ALL OTHER COUNTRIES [d]	116	330	216	222	326	164	156						1530	861
TOTAL NONCELLULOSIC STAPLE+TOW	16044	14909	15083	14619	14138	14178	16575						105546	88228

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 238, China, PRC 2, France 47, Ireland 355, Israel 28, Italy 5, Taiwan 62, Thailand 17, United Kingdom 108, Yugoslavia 50.

b. France 10, Germany, Federal Rep. of 93, Hong Kong 6, Italy 208, Sweden 445, Taiwan 45.

c. Chile 88, Colombia 73, Denmark 122, Dominican Rep. +, Egypt +, Greece +, Hong Kong +, Hungary 48, India +, Ireland 158, Korea, Rep. of 200, Norway 2, Philippines +, Romania 323, Singapore 82, Somalia 95, Spain +, Sweden 167.

d. Australia 235, Austria 177, China, PRC 117, Denmark 59, Finland 18, Greece 12, Hong Kong 27, Ireland 140, Kenya 31, Malaysia 96, Philippines 1, Spain 7, Sweden 148, Thailand 138, Turkey 84, Yugoslavia 240.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	26	30	29	0	123	31	155						396	79
OTHER	310.0130 & .0230[a]	1309	1160	1318	1488	628	1160	1037						8120	6297
MONOFILAMENTS	309.0310 & .0610	0	5	6	0	4	0	0						15	18
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117	41						627	405
SUBTOTAL ABOVE		1375	1302	1442	1614	884	1308	1233						9158	6799
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183	1524						9043	6778
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155	174						801	617
SUBTOTAL ABOVE		1605	1095	1526	1384	1198	1338	1698						9844	7395
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	+	0	+	33	+	43	0						76	288
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252	213						1700	16988
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096	4606						17051	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380	1210						7127	10333
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059	1829	1997						11496	7822
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752	2274						11666	13132
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512	2269	1885						14196	9474
- OTHER	310.0170 & .0270[b]	483	225	438	400	403	409	395						2753	1269
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218	196	202	206						1620	1319
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117	221						941	666
SUBTOTAL ABOVE		8347	8832	8828	7368	9862	12306	13007						68550	61003
STAPLE - NYLON	309.4330 & .4350	3716	4331	3835	4107	3294	3188	5098						27569	21420
- POLYESTER	309.4335 & .4360	2725	3058	3474	2831	2760	3278	3206						21332	15397
- ACRYLIC	309.4365	1473	822	887	1202	1542	1262	2407						9595	8491
- OLEFIN	309.4370	623	222	149	28	107	194	205						1528	2683
- OTHER	309.4340 & .4380	2666	1949	1613	1881	178	820	1137						11544	14020
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555	3174						23189	17453
POLYESTER	309.3040 & .3340	147	150	204	84	197	108	223						1113	2914
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393	1023						7860	4687
OTHER	309.3065 & .3365	341	203	141	285	364	380	102						1816	1163
SUBTOTAL ABOVE		16044	14909	15083	14619	14138	14178	16575						105546	88228
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304	2034						13428	18544
- POLYESTER	309.6630	560	403	465	827	511	434	733						3933	5082
- ACRYLIC	309.6645	0	0	6	0	19	0	188						213	86
- OTHER	309.6660	892	813	256	748	922	692	738						5061	869
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0	0						121	93
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253	246	261						2269	2135
SUBTOTAL ABOVE		3381	3871	3414	3470	3259	3676	3954						25025	26811
TOTAL MAN-MADE ABOVE		30752	30009	30293	28488	29341	32849	36467						218199	190524
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1106	0	30	0	0	0	0	0						30	1
- NONCELLULOSIC	310.1015[d] & .1109[e]	1309	1305	586	1260	62	543	165						5860	4923
OTHER - CELLULOSIC	310.1030 & .1135[f]	2	11	+	+	11	2	0						26	263
- NONCELLULOSIC	310.1050 & .1070[g]	33	59	49	63	54	24	113						395	3292
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182	232	282	361						1544	926
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597	3591	4132	5686						26327	20598
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957	1713	2388						8776	4791
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387	411	495	369						2915	4858
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240	271	255						2006	1528
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221	1883	1891	2025						15895	19473
GRAND TOTAL ABOVE		37875	38884	39069	37702	38412	42202	47829						281973	251177

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

j. Also includes 310.9300 & .9500

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS
THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5	22	3	4	30						67	49
OTHER[b]	310.0026	483	499	712	729	742	573	532						4270	5018
MONOFILAMENTS	309.0110	18	3	22	8	1	0	12						64	64
STRIPS	309.2210	0	0	1	1	12	0	0						14	7
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**	**577**	**574**						**4415**	**5138**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402	1665	3084						18016	21359
STAPLE-ACETATE	309.4219	175	102	162	223	208	64	77						1011	986
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**	**1729**	**3161**						**19027**	**22345**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**68**	**233**	**157**	**303**	**126**	**171**	**95**						**1153**	**837**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066	2230	2097						13769	14974
- HIGH TENACITY[c]	310.0027	5757	6837	5805	5895	5786	5273	7012						42365	39262
- OTHER	310.0029	638	1276	1238	867	425	849	731						6024	5457
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265	4250	4940						56113	75448
- HIGH TENACITY[c]	310.0032	1952	1435	1252	2765	2717	2942	1361						14424	15921
- OTHER[d]	310.0034	735	128	90	189	151	341	60						1694	5532
OTHER - TEXTURED	310.0014	8990	916	1023	1116	906	1433	1067						15451	4561
- OLEFIN	310.0040	67	951	84	119	87	45	25						1378	299
- OTHER	310.0044	212	600	479	524	742	400	697						3654	5653
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437	561	332						2838	1411
POLYESTER[e]	309.0140	663	503	340	535	589	432	405						3467	3480
OTHER	309.0170	283	450	537	418	373	292	249						2602	6321
STRIPS	309.2220 & .2270	320	283	194	221	362	379	479						2238	2705
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20953**	**29906**	**19427**	**19455**						**166017**	**181024**
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348	1272	858						7947	5981
- POLYESTER	309.4242	8164	8395	6714	6651	9885	8676	9271						57756	126504
- ACRYLIC	309.4245	8607	7909	4248	4524	5220	3756	2981						37245	91429
- OLEFIN	309.4246	1844	1327	1269	1105	437	623	1018						7623	4040
- OTHER	309.4247	1124	2228	1796	1208	1324	1154	1351						10185	6277
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987	226	204						3517	1055
POLYESTER[d]	309.3240	1997	2797	1950	1832	280	1339	1281						11476	18730
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280	1117	815						14405	18385
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**	**18163**	**17779**						**150154**	**272401**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	299	806	408	628	785	387	525						3838	1737
- POLYESTER	309.7630	3848	5678	4934	7100	5390	4966	2224						34149	23483
- ACRYLIC	309.7640	569	624	1080	228	399	824	322						4046	2325
- OTHER	309.7660	3831	4801	3139	3779	3701	3241	1752						24244	7722
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**	**10275**	**9418**	**4823**						**66277**	**35267**
TOTAL MAN-MADE ABOVE		65579	66384	59896	53376	66436	49485	45887						407043	517012
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008	4536	5148						33220	38454
GRAND TOTAL ABOVE		69934	70935	64938	57956	71444	54021	51035						440263	555466

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 14:
FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
ITEM		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(C) CELLULOSIC YARN [j]		*(N) NYLON**				*(P) POLYESTER*				*(O) OLEFIN*			
HOSIERY[b]	N	92.3	104.3	101.5	98.1	25.2	25.0	24.8	23.1	26.5	25.3		
OTHER CIRCULAR KNIT[c]	N	25.7	24.5	17.6	12.9	3.1	3.2	3.0	3.6	4.3	6.0		
	P	228.4	293.7	174.7	182.0	33.1	46.9	58.6	43.4	39.3	37.4		
	C	1.6	2.1	2.3	2.6	0.4	0.4	1.1	0.7	0.6	0.6		
FLAT KNIT	C	71.7	79.1	67.2	53.0	15.5	15.4	11.7	10.4	11.4	13.7		
	N	130.8	162.2	135.2	143.6	36.0	33.4	35.9	38.3	36.8	33.2		
	P	87.0	116.6	137.3	160.8	37.1	39.5	38.9	45.3	40.6	38.9		
CARPET FACE	N	559.5	734.6	770.2	815.4	163.9	207.5	223.6	220.4	207.0	217.8		
	O	90.0	147.2	154.1	202.1	44.8	51.2	53.9	52.2	49.7	50.5		
CARPET BACKING[d]	O	184.7	198.8	227.8	354.6	83.8	93.4	91.0	86.4	89.1	98.0		
OTHER BROAD WOVEN[e]	C	88.8	113.6	108.8	111.3	22.7	26.7	28.9	33.0	31.9	31.9		
	N	82.2	83.6	90.7	71.4	16.9	16.3	17.7	20.5	20.2	19.7		
	P	367.0	489.9	392.2	400.4	96.1	107.2	102.5	94.6	87.1	77.5		
	O	172.5	201.1	190.3	225.7	54.6	60.1	55.6	55.4	61.4	66.7		
NARROW WOVEN[f]	C	2.9	1.7	0.7	1.5	0.2	0.3	0.4	0.6	0.9	0.2		
	N	30.2	35.3	39.9	31.1	7.8	7.7	8.3	7.3	8.0	8.6		
	P	28.1	35.5	38.7	38.4	9.6	9.5	10.2	9.1	11.5	10.7		
	O	12.1	15.0	14.9	15.2	3.8	4.0	3.9	3.5	4.5	4.5		
TIRES, INCL. CHAFER[k]	N	147.9	145.5	172.9	146.0	42.7	36.4	32.3	34.6	35.8	33.5		
	P	168.9	174.1	174.4	155.5	44.5	40.2	34.2	36.6	44.7	37.4		
OTHER RUBBER INDUSTRY[g k]	N	17.3	16.3	20.9	15.3	4.6	3.7	3.5	3.5	4.2	3.6		
	P	26.7	27.8	32.7	32.2	7.2	8.2	8.3	8.5	2.9	8.4		
ROPE, CORDAGE & FISHLINE	N	29.1	31.7	35.0	35.3	8.6	8.6	8.7	9.4	9.6	9.5		
	P	14.4	12.2	15.7	13.8	3.1	3.7	3.9	3.1	3.4	3.4		
	O	84.8	95.5	106.9	108.2	28.8	29.8	23.2	26.4	27.0	28.2		
ALL OTHER[h]	C	4.0	1.1	1.1	18.7	5.6	5.2	4.5	3.4	3.8	4.0		
	N	50.6	54.4	54.2	48.3	14.9	11.2	11.1	11.1	11.0	11.5		
	P	214.3	144.6	179.2	221.1	59.4	56.4	52.[illegible]	52.7	55.3	39.8		
	O	32.9	41.0	31.6	31.8	7.8	7.5	6.8	9.7	9.6	10.5		
TOTAL ABOVE	**C**	**169.0**	**197.6**	**180.1**	**187.1**	**44.4**	**48.0**	**46.6**	**48.1**	**48.6**	**50.4**		
	N	**1165.6**	**1392.4**	**1438.1**	**1417.4**	**323.7**	**353.0**	**368.9**	**371.8**	**363.4**	**368.7**		
	P	**1134.8**	**1294.4**	**1144.9**	**1204.2**	**290.1**	**311.6**	**309.2**	**293.3**	**284.8**	**253.5**		
	O	**577.0**	**698.6**	**725.6**	**937.6**	**223.6**	**246.0**	**234.4**	**233.6**	**241.3**	**258.4**		
TOTAL DOMESTIC		**3046.4**	**3582.8**	**3488.7**	**3746.3**	**881.8**	**958.6**	**959.1**	**946.8**	**938.1**	**931.0**		
ALSO DIVIDED AS													
APPAREL		*1128.2*	*1257.5*	*1072.1*	*1065.0*	*254.9*	*275.9*	*279.3*	*254.9*	*247.4*	*235.7*		
HOME FURNISHINGS		*1016.6*	*1328.7*	*1354.2*	*1626.1*	*351.4*	*414.7*	*430.1*	*429.9*	*405.5*	*419.7*		
INDUSTRIAL		*901.6*	*996.8*	*1062.4*	*1055.2*	*275.5*	*268.0*	*249.7*	*262.0*	*285.2*	*275.6*		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		122.3	127.1	118.7	114.9	28.4	28.7	29.0	28.8	29.7	31.3		
POLYESTER		737.9	832.4	675.5	776.3	181.0	204.5	206.0	184.8	168.9	144.0		
OLEFIN		26.8	28.0	23.3	22.3	5.2	5.9	5.2	6.0	5.1	5.8		

---

*. Includes Aramid in 1982.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester and cellulosic yarn are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Otrher.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports.

i. These poundages are included in the Total Domestic area above.

j. Data prior to 1985: acetate yarn only. Data for 1985 and 1986: acetate and rayon yarn.

k. Cellulosic yarn poundages included in All Other.

TABLE 15:
STAPLE+TOW DOMESTIC SHIPMENTS
MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1985				1986			
		1982	1983	1984	1985	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
(R) RAYON (N) NYLON (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN*													
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	230.5	237.3	204.8	197.2	48.8	48.9	49.0	50.5	57.2	62.1		
	NPR	8.8	9.5	6.6	5.5	1.7	1.1	1.3	1.4	1.4	1.2		
PILE FABRICS[b]	A	36.4	33.0	30.0	24.5	6.6	7.1	6.3	4.5	6.0	6.6		
	P	15.6	18.2	18.4	14.9	3.9	4.1	3.7	3.2	4.1	3.5		
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	5.7	3.5	4.3	5.5	0.7	1.3	2.2	1.3	1.1	1.1		
	A	112.6	129.5	118.5	139.1	27.3	38.3	37.6	35.9	38.7	55.6		
	P	288.8	354.4	283.0	295.5	67.7	76.7	74.0	77.1	87.9	89.2		
BLANKETS[b]	A	23.7	27.1	25.2	30.2	6.1	7.4	8.8	7.9	6.6	6.7		
	P	12.0	10.5	5.5	6.2	0.9	1.9	2.2	1.2	0.8	1.0		
OTHER BROAD WOVEN	R	146.6	182.1	177.7	174.9	39.0	39.4	44.6	51.9	53.9	53.2		
	N	56.4	59.0	42.5	37.4	11.4	8.2	8.8	9.0	10.0	9.7		
	A	25.7	32.5	29.5	38.2	8.8	9.6	9.2	10.6	9.8	8.4		
	P	889.0	1062.9	1039.1	864.9	214.1	208.3	212.4	230.1	226.8	229.8		
	O	16.1	19.4	22.1	26.9	6.4	6.9	6.0	7.6	1.0	5.0		
CARPET FACE YARNS	R	0.1	0.2	0.3	0.5	0.1	0.1	0.1	0.2	0.1	0.2		
	N	594.4	815.2	751.0	773.9	176.5	190.0	199.4	208.0	180.1	188.6		
	A	INCLUDED IN ALL OTHER											
	P	114.7	139.0	131.4	126.8	30.7	33.9	30.3	31.9	31.3	38.4		
	O	76.8	93.6	96.5	107.4	25.2	30.6	27.7	23.9	25.4	30.4		
FIBERFILL[d]	P	228.4	275.4	276.1	281.1	72.6	65.0	68.6	74.9	71.6	69.1		
FLOCK	NP	10.2	10.6	9.2	5.3	1.4	1.2	1.3	1.4	1.6	1.4		
	R	3.1	3.2	2.7	1.8	0.6	0.4	0.6	0.2	0.6	0.4		
NONWOVENS[e f]	R	111.9	119.0	126.3	113.5	27.6	28.9	29.0	28.0	31.7	33.2		
	N	3.8	4.9	2.8	2.5	0.7	0.7	0.5	0.6	0.5	0.5		
	P	155.2	177.4	177.2	162.5	44.0	39.2	39.5	39.8	46.5	41.4		
	VINYON+O	39.0	61.5	119.2	135.8	34.0	32.0	34.7	35.1	42.3	45.2		
ALL OTHER	R	24.3	23.8	18.8	25.9	5.5	6.1	6.0	8.3	3.7	3.5		
	N	7.7	5.2	9.4	11.2	2.8	2.6	2.9	2.9	2.9	3.0		
	A	29.0	32.8	38.7	29.5	7.7	8.4	7.7	5.7	4.8	4.3		
	P	57.8	55.8	56.2	116.9	21.0	30.4	30.8	34.7	29.3	26.7		
	VINYON+O	7.0	8.9	3.1	9.6	1.6	2.4	2.4	3.2	5.2	2.0		
TOTAL ABOVE	**R**	**293.7**	**333.5**	**331.9**	**323.7**	**73.8**	**76.6**	**82.9**	**90.4**	**91.6**	**92.0**		
	N	**673.3**	**897.1**	**814.4**	**830.3**	**192.8**	**202.7**	**212.9**	**221.9**	**195.2**	**203.2**		
	A	**457.9**	**492.2**	**446.7**	**458.7**	**105.3**	**119.7**	**118.6**	**115.1**	**123.1**	**143.7**		
	P	**1767.5**	**2099.2**	**1992.2**	**1872.7**	**456.3**	**460.2**	**462.4**	**493.8**	**499.1**	**499.9**		
	VINYON+O	**138.9**	**183.4**	**240.9**	**279.7**	**67.2**	**71.9**	**70.8**	**69.8**	**73.9**	**82.6**		
TOTAL DOMESTIC		3331.3	4005.4	3826.1	3765.1	895.4	931.1	947.6	991.0	982.9	1021.4		
ALSO DIVIDED AS													
APPAREL		*1321.7*	*1461.3*	*1277.1*	*1255.0*	*289.0*	*316.4*	*314.0*	*335.6*	*363.6*	*390.5*		
HOME FURNISHINGS		*1266.4*	*1630.0*	*1559.0*	*1536.9*	*365.7*	*380.0*	*385.2*	*406.0*	*371.0*	*385.1*		
INDUSTRIAL		*743.2*	*914.1*	*992.1*	*973.2*	*240.7*	*234.7*	*248.4*	*249.4*	*248.3*	*245.8*		

---

[*] 1982 poundages include Aramid.

[a] Olefin poundages are included in All Other.

[b] Rayon and nylon poundages are included in All Other.

[c] Nylon poundages are included in All Other.

[d] Rayon, acrylic and nylon poundages are included in All Other.

[e] Wet & dry laid and needled batts only.

[f] Acrylic poundages are included in All Other.

TABLE 16:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1986												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	**17.8**	**17.2**	**18.3**	**19.4**	**18.9**	**17.2**	**17.7**	**17.3**					**143.8**	**139.4**
NYLON[e]- INDUSTRIAL[f]	26.3	29.5	28.8	29.1	27.6	26.7	23.3	27.3					218.6	231.2
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8	78.6					588.9	529.6
- TEXTILE[k]	30.9	31.1	31.7	32.1	30.6	29.1	29.0	28.0					242.5	233.6
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4	24.6	24.6	24.7					206.7	194.6
- TEXTILE[k]	77.1	78.0	69.8	68.3	72.0	60.7	68.5	71.5					566.5	671.2
OLEFIN[h]	75.1	84.2	84.4	83.9	85.0	92.4	76.9	88.9					670.8	633.2
TOTAL NONCELLULOSIC ABOVE [i]	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**	**308.3**	**299.1**	**319.0**					**2494.0**	**2493.4**
STAPLE +TOW+FIBERFILL[j]														
RAYON	**34.9**	**30.0**	**33.0**	**32.7**	**34.9**	**31.3**	**34.2**	**34.9**					**265.9**	**235.0**
NYLON[e]	70.7	64.1	64.3	67.1	71.9	67.1	79.3	86.6					571.1	544.3
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0	50.7					413.8	434.2
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2	174.0					1389.9	1348.6
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9	27.8	27.3					220.6	190.1
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**	**309.0**	**323.3**	**338.6**					**2595.4**	**2517.2**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	**13.3**	**12.2**	**13.3**	**12.1**	**12.2**	**12.5**	**13.3**	**13.3**					**13.3**	**17.9**
NYLON[e]- INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2	25.4	30.3	33.6					33.6	29.7
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4	55.8					55.8	49.5
- TEXTILE[k]	49.0	46.1	46.2	44.7	45.8	43.9	44.6	40.1					40.1	45.8
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9	31.5	32.0	32.9					32.9	27.8
- TEXTILE[k]	84.7	90.3	96.6	96.5	91.9	86.2	82.8	83.9					83.9	86.9
OLEFIN[h]	66.7	69.4	67.1	69.5	66.4	61.5	64.7	63.2					63.2	62.2
TOTAL NONCELLULOSIC ABOVE	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**	**305.3**	**309.8**	**309.5**					**309.5**	**301.9**
STAPLE+TOW+FIBERFILL														
RAYON	**20.7**	**21.1**	**19.7**	**20.1**	**18.4**	**20.5**	**20.5**	**19.5**					**19.5**	**24.3**
NYLON[e]	63.0	70.4	84.1	89.1	88.0	85.4	78.7	68.4					68.4	66.9
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9	56.9					56.9	66.0
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8	162.4					162.4	156.1
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4	30.6					30.6	24.5
TOTAL NONCELLULOSIC ABOVE [i]	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**	**330.5**	**334.8**	**318.3**					**318.3**	**313.5**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.3	14.6							80.0	63.9
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7	0.7							4.9	6.7
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	14.0	15.3							84.9	70.6
RAW COTTON	269.5	263.3	265.0	265.2	265.6	280.0	218.7						1827.3	1546.0

a. Year-to-date totals for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier Industrial is defined as finer than 500 denier with an Inatron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

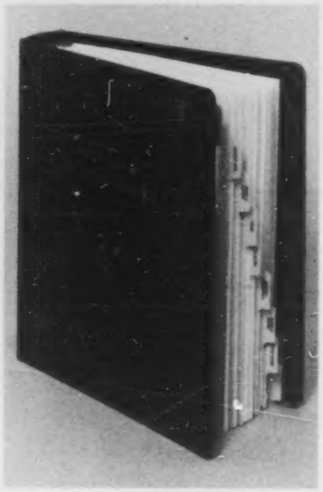
i. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.

k. Low denier industrial Nylon and Polyester is now included with Textile.

DATA POWER

There's only one official source for man-made fiber data in the United States. That's **The Man-Made Fiber Producers' Handbook.**



How can we make that claim? It's easy. Because no other publication provides industry data compiled from confidential reports submitted by the fiber producers themselves. All the data you need when you need them . . . .

Scope: Capacity, inventory, import, export, end-use and domestic shipment data are provided by fiber type and are updated monthly, quarterly and annually. This is **Data Power . . .** complete coverage of a key U.S. industry.

Timeliness: Monthly results are made available the eighth of each month and quarterly results six weeks after the close of a quarter. The monthly data, in addition, may be obtained from our special phone system at no extra charge.

The Man-Made Fiber Producers' Handbook . . . the complete official source for the man-made fiber industry. Examine the listing below and you'll see what we mean by **Data Power.**

Features Yarn+Monofilament and Staple+Tow Data for:

- Rayon
- Acetate
- Nylon+Aramid

- Polyester
- Acrylic+Modacrylic
- Olefin

With Additional Data for:
- Textile Glass
- Olefin Yarn, Monofilament & Film Fiber

Covering All Noncellulosic and Cellulosic Fibers:

Monthly
- Production
- Domestic Shipments
- Exports
- Inventories
- Industrial Yarn
- Carpet Yarn
- Textile Yarn
- Flat Yarn
- Feed & Producer Textured Yarn
- Shipments by Denier
- Indirect Exports

Quarterly
- Production
- Domestic Shipments
- Imports
- Exports
- Shipments by Denier
- Inventories
- Primary End Use
- Secondary End Use
- Waste Shipments

Semiannually & Annually
- Capacities
- Primary End Use Summaries
- Secondary End Use Summaries
- Waste Shipment Summaries
- Imports
- Exports
- By-State Shipments

MAN-MADE FIBER PRODUCERS' HANDBOOK

Subscribe **TODAY** To the

MAN-MADE FIBER PRODUCERS' HANDBOOK

And Know What It Is To Have

DATA POWER

☐ **Yes,** I would like to subscribe to the **Man-Made Fiber Producers' Handbook**

One Year Subscription	January through December
U.S.A.	$ 1,250.00
Other	$ 1,750.00
Schools & Non-Profit	$ 1,000.00

☐ Please send me more information about the **Man-Made Fiber Producers' Handbook** and other Textile Economic Bureau publications.

☐ Check Enclosed ☐ Please send an invoice

Send subscription and/or information to:

Name ______________________ Title ______________________

Company ____

Address ____

City ____________________ State ______________ Zip __________

Country ____

Type of Busines ______________________________________

Telephone Number _____________________________________

Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, New Jersey 07068
Telephone (201)228-1107

11/11/86 C8850-1

TEXTILE ORGANON

Volume 57, No. 10 ☐ October 1986

A publication of the *Textile Economics Bureau, Inc.*

MONTHLY REVIEW

Highlights

***Textile Organon** Features:*

6 Months U.S. Exports of Man-Made Fiber . . . see page 240.

6 Months U.S. Imports of Man-Made Fiber . . . see page 241.

The U.S. Textile Trade Balance: An Overview . . . . Begins on Page 232.

In September, shipments of noncellulosic yarn+monofilaments increased to 328.1 million pounds, up 2.9% from the 319.0 million pounds shipped in August.

- ***Cellulosic yarn*** shipments rose by 1.7% to 17.6 million pounds.
- ***Nylon carpet yarn*** shipments increased to 83.9 million pounds, up 6.7%.
- ***Nylon textile yarn*** shipments rose by 8.9% to 30.5 million pounds.

Shipments of noncellulosic staple+tow, during the same month, rose to 361.1 million pounds, up 6.6% from the 338.6 million pound level in August.

- ***Cellulosic staple*** shipments fell by almost 5% to 33.3 million pounds.
- ***Acrylic staple+tow*** shipments increased nearly 12% to 56.7 million pounds.
- ***Polyester staple+tow*** shipments rose by 7.3% to 186.7 million pounds.

TABLE 1:
TOTAL MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT*

ITEM	1986			1985		YEAR TO DATE		
	SEPT	AUG	%[a]	SEPT	%[b]	1986	1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**17.6**	**17.3**	***+1.7***	**17.5**	***+0.6***	**161.4**	**156.9**	***+2.9***
NYLON[d] - INDUSTRIAL	25.7	27.3	*-5.9*	31.4	*-18.2*	244.3	262.6	*-7.0*
- CARPET	83.9	78.6	*+6.7*	82.5	*+1.7*	672.8	609.6	*+10.4*
- TEXTILE[e]	30.5	28.0	*+8.9*	29.1	*+4.8*	273.0	265.2	*+2.9*
POLYESTER - INDUSTRIAL	25.5	24.7	*+3.2*	23.8	*+7.1*	232.2	218.4	*+6.3*
- TEXTILE[e]	72.3	71.5	*+1.1*	98.6	*-26.7*	638.8	769.8	*-17.0*
OLEFIN	90.2	88.9	*+1.5*	81.4	*+10.8*	761.0	714.6	*+6.5*
TOTAL NONCELLULOSIC ABOVE	**328.1**	**319.0**	***+2.9***	**345.8**	***-5.4***	**2822.1**	**2840.2**	***-0.6***
STAPLE+TOW+FIBERFILL								
RAYON	**33.3**	**34.9**	***-4.6***	**29.7**	***+12.1***	**299.2**	**264.7**	***+13.0***
NYLON[d]	91.4	86.6	*+5.5*	73.7	*+24.0*	662.5	618.0	*+7.2*
ACRYLIC+MODACRYLIC	56.7	50.7	*+11.8*	57.5	*-1.4*	470.5	491.7	*-4.3*
POLYESTER	186.7	174.0	*+7.3*	173.6	*+7.5*	1576.6	1522.2	*+3.6*
OLEFIN+VINYON	26.3	27.3	*-3.7*	26.0	*+1.2*	246.9	216.1	*+14.3*
TOTAL NONCELLULOSIC ABOVE	**361.1**	**338.6**	***+6.6***	**330.8**	***+9.2***	**2956.5**	**2848.0**	***+3.8***

-- -- Means no change.
a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. Nylon excludes Aramid.
e. Low denier industrial Nylon and Polyester is included with Textile.
Also see footnotes on last page of this issue.

Textile Organon

A Monthly Review

OCTOBER 1986

CONTENTS

Features

U.S. Man-Made Fiber Textile Trade Balance:
An Overview 232-235
- Graph 1: Index of U.S. Garment Import Trade Balance 232
- Graph 2: U.S. Balance of Trade in Man-Made Fiber Manufactures 233
- U.S. Imports, Exports & Balance of Man-Made Fiber Manufactures 233
- Graph 3: U.S. Balance of Trade in Man-Made Fiber vs. U.S. Balance of Trade in Man-Made Fiber Manufactures 234
- U.S. Imports, Exports & Balance of Man-Made Fiber 234
- U.S. Imports, Exports & Balance of Man-Made Fiber Manufactures 234
- Graph 4: U.S. Imports, Exports & Balance of Man-Made Fiber Manufactures 235
- U.S. Imports, Exports & Balance of Man-Made Fiber Manufactures (Excluding Trade in Garments) 235
- U.S. Garment Trade Balance 235

Industry Regulars

Total Man-Made Fiber Shipments 229

Datagram 231

Trade Barometer 236-246
- Graph 5: Imports vs. Exports of Man-Made Fiber 236
- Graph 6: Man-Made Fiber Monthly Trade Balance 237
- Man-Made Fiber Monthly Trade Balance Detail 237

Selected U.S. Exports by Country of Destination 238-239

Quarterly U.S. Import/Export Update 240-241
- U.S. Exports of Man-Made Fibers 240
- U.S. Imports of Man-Made Fibers 241

Monthly U.S. Man-Made Fiber Data 242-244
- Exports by Fiber 242
- Imports for Consumption 243
- Imports by Country of Origin 244

Selected U.S. Textile Fiber Data 245
- Graph 7: U.S. Textile Fiber Data 246

Editor
Rosemarie D. Frick

Publishing Headquarters:
Textile Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107

ISSN 0040-5132

Copyright © 1986
Textile Economics Bureau, Inc.

TEXTILE ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Current Subscription Rates
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	140.00	210.00
Schools & Nonprofit	50.00	75.00
Single Issues:		
June	40.00	60.00
September	40.00	60.00
All Others	25.00	35.00

All issues will be sent to U.S. subscribers by first-class mail and those to all other countries by airmail.

DATAGRAM

SHIPMENTS RECORD MODEST GROWTH

For the period of January-September of 1986, shipments of noncellulosic yarn+ monofilaments and staple+ tow reached 5,778.6 million pounds, an increase of 1.6% from the 5,688.2 million pounds shipped during the first nine months of 1985.

When compared to January - September 1985 levels:

- Yarn+monofilament shipments are down 1% to 2,822.1 million pounds.
- Staple+tow shipments increased by 3.8% to 2,956.5 million pounds.

INVENTORIES REMAIN UNCHANGED

Inventories of noncellulosic yarn+monofilaments and staple+tow rose by only 0.4% in September to 606.6 million pounds compared to the 604.4 million pound level in September of 1985.

Comparing 1985 September levels:

- Yarn+monofilament inventories are down by 0.5% to 298.1 million pounds.
- Staple+tow inventories are up just over 1% to 308.5 million pounds.

EXPORTS OF FIBER DECLINE SHARPLY

During the first six months of 1986, exports of man-made fiber fell by almost 17% to 361.1 million pounds. This compares to the 1985 January - June level of 433.4 million pounds.

Key areas to note:

- Polyester staple exports fell by over 55% during the first six months of 1986 to 48.5 million pounds. This compares to 109.0 million pounds for the same period in 1985.
- Acrylic staple exports totaled 34.3 million pounds during January - June 1986, a decline of almost 54% from the 73.6 million pounds exported during the same time in 1985.
- Polyester textured yarn exports dropped by 24% and totaled 51.2 million pounds for the January - June period of this year. This compares to 59.5 million pounds exported during the same time in 1985.

IMPORTS OF FIBERS CONTINUE TO GROW

Imports of man-made fiber, for the first six months of 1986, totaled 181.7 million pounds, up 13.4% from the 160.3 million pounds imported during the same period in 1985.

The major growth areas are:

- Polyester staple imports, for the first six months of 1986, rose by almost 38% to 26.8 million pounds. This compares to 13.2 million pounds imported during the same time in 1985.
- Nylon staple imports, for the 1986 January - June period, gained over 34% totaling 22.5 million pounds. This compares to the 1985 six months level of 16.8 million pounds.

COURTAULDS INCREASES RAYON PRODUCTION

Courtaulds North America Inc. has brought on stream additional rayon production in its Mobile, Ala. plant, raising the company's Viscose Rayon production by more than 15%. The decision to boost production was made in response to strong domestic market demand, according to David T. Wilkinson, president and chief executive officer. (Knitting Times, September 1986)

U.S. MAN-MADE FIBER TEXTILE TRADE BALANCE:
AN OVERVIEW

The U.S. balance of trade in man-made fiber and manufactures dropped sharply in 1985 to a net **import** balance of 400.8 million pounds.

When placed in perspective of previous trade balance levels, this net **import** balance represents a significant departure from the historical trend of net **export** balances since 1973. However, 1985 data simply typifies a deepening erosion in the trade balance situation since 1980.

Significant imports of garments, a diminishing trade position in man-made fibers, as well as declining exports of both man-made fiber and manufactures, have contributed to the trade balance deterioration.

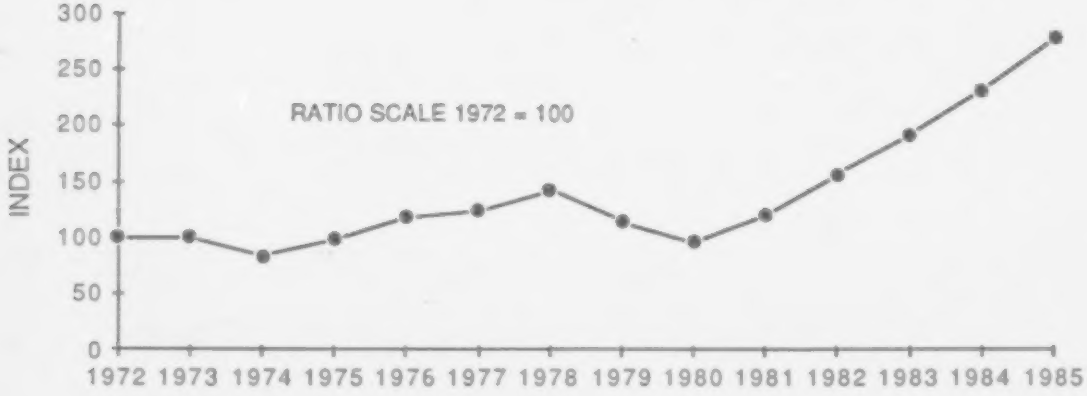
As Graph 1 depicts, an index of the U.S. net **import** balance has increased sharply since 1980. With 1972 as the base point of 100, the 1980 index stood at 96, while the 1985 index rose to 279.

Most importantly, over the same period, the overall U.S. man-made fiber and manufacture trade balance eroded from a net **export** balance of 1,443.5 million pounds to the net **import** balance of 400.8 million pounds in 1985 (Graph 2). This erosion is a result of the garment import trade.

Since 1973, the U.S. has enjoyed a net **export** balance of trade in man-made fibers. However, the balance of trade in man-made fibers has declined significantly since 1981, as shown in Graph 3. Declining exports coupled with increasing imports have caused the man-made fiber trade balance to deteriorate in much the same manner as the garment import balance has eroded trade in manufactures.

However, it is the importance of garment net **import** balance which really had the greatest impact on the overall trade situation. Graph 4 shows the effect of excluding the garment trade from the man-made fiber manufacture balance. Without including garments, the trade in man-made fiber manufactures would for most years exhibit a net **export** balance, except starting in 1983, when imports of man-made fiber & manufacture started to increase, as opposed to a net **import** balance when garments are included.

GRAPH 1:
INDEX OF U.S. GARMENT IMPORT TRADE BALANCE*
1972-1985



*Indexed from import balance in millions of pounds.

GRAPH 2:
U.S. BALANCE OF TRADE IN MAN-MADE FIBER MANUFACTURES
1972-1985

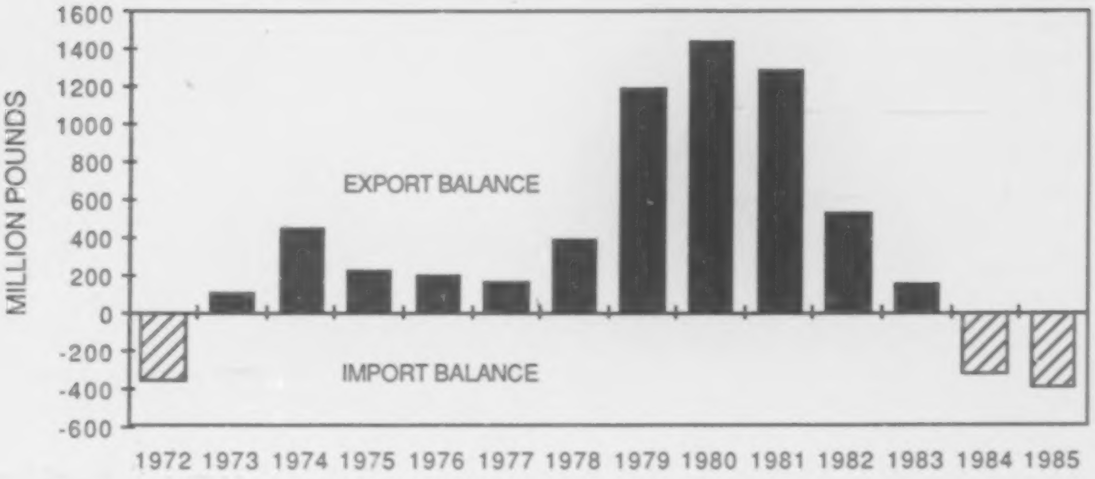


TABLE 2:
U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES
1972-1985

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]	
1972	919.8	561.7	358.1	I
1973	830.0	938.1	108.1	E
1974	630.1	1083.8	453.7	E
1975	581.3	815.3	233.4	E
1976	710.0	922.2	212.2	E
1977	781.6	958.5	176.9	E
1978	848.5	1248.3	399.8	E
1979	636.1	1830.3	1194.2	E
1980	636.3	2079.8	1443.5	E
1981	796.4	2088.7	1292.3	E
1982	831.5	1374.3	542.8	E
1983	1287.9	1130.8	157.1	E
1984	1641.2	1316.1	325.1	I
1985	1728.7	1327.9	400.8	I

SOURCE: U.S. Census Bureau Report IM145X and EM546. U.S. Department of Agriculture, Cotton & Wool Outlook and Situation Report.

[a] I Means Import Balance. E Means Export Balance.

GRAPH 3:
U.S. BALANCE OF TRADE IN MAN-MADE FIBER VS.
U.S. BALANCE OF TRADE IN MAN-MADE FIBER MANUFACTURES

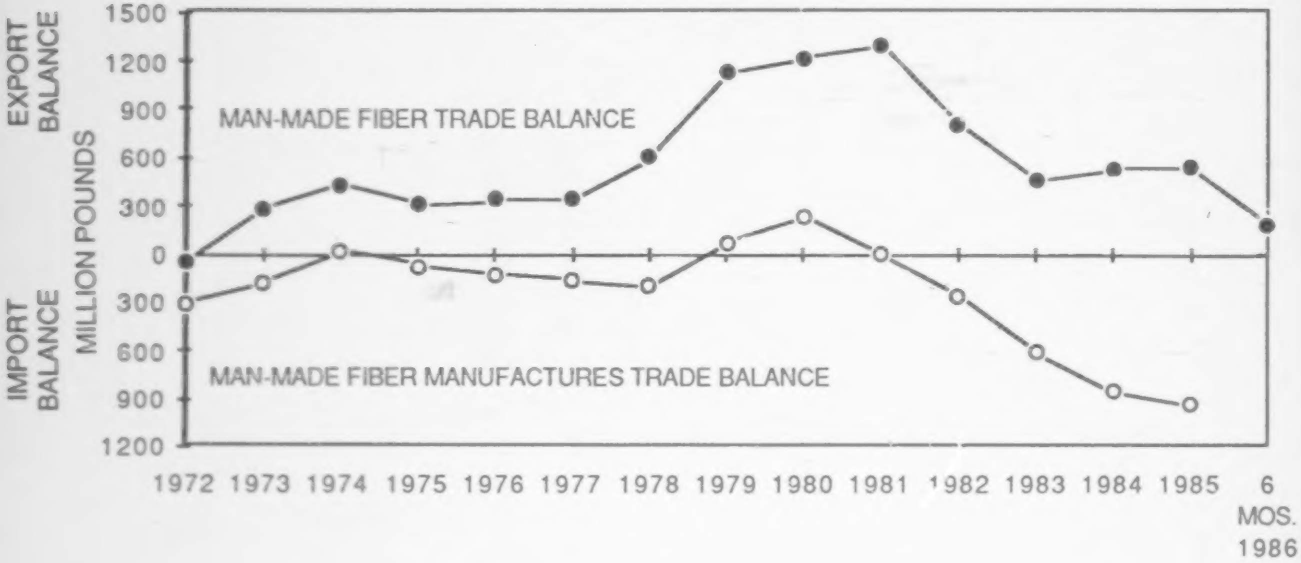


TABLE 3A:
U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER
1972-1986

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE[a]
1972	439.3	384.1	55.2 I
1973	367.1	651.9	284.8 E
1974	258.9	693.1	434.2 E
1975	181.5	492.9	311.4 E
1976	230.5	570.0	339.5 E
1977	250.5	591.4	340.9 E
1978	205.9	806.6	600.7 E
1979	111.1	1233.7	1122.6 E
1980	95.7	1308.3	1212.6 E
1981	157.3	1451.0	1293.7 E
1982	133.5	935.8	802.3 E
1983	218.5	670.1	451.6 E
1984	299.2	828.1	528.9 E
1985	331.7	867.6	535.9 E
6mos.1986	181.7	361.2	179.5 E

TABLE 3B:
U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER MANUFACTURES
1972-1985

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE[a]
1972	480.5	177.6	302.9 I
1973	462.9	286.2	176.7 I
1974	371.2	390.7	19.5 E
1975	400.4	322.4	78.0 I
1976	479.5	352.2	127.3 I
1977	531.1	367.1	164.0 I
1978	642.6	441.7	200.9 I
1979	525.0	596.6	71.6 E
1980	540.6	771.5	230.9 E
1981	639.1	637.7	1.4 I
1982	698.0	438.5	259.5 I
1983	1069.4	460.7	608.7 I
1984	1342.0	488.0	854.0 I
1985	1397.0	460.3	936.7 I

SOURCE: U.S. Census Bureau Report IM145X and EM546. U.S. Department of Agriculture, Cotton & Wool Outlook and Situation Report.

[a] I Means Import Balance. E Means Export Balance.

GRAPH 4:
U.S. IMPORT & EXPORT BALANCE OF MAN-MADE FIBER MANUFACTURES
1972-1985

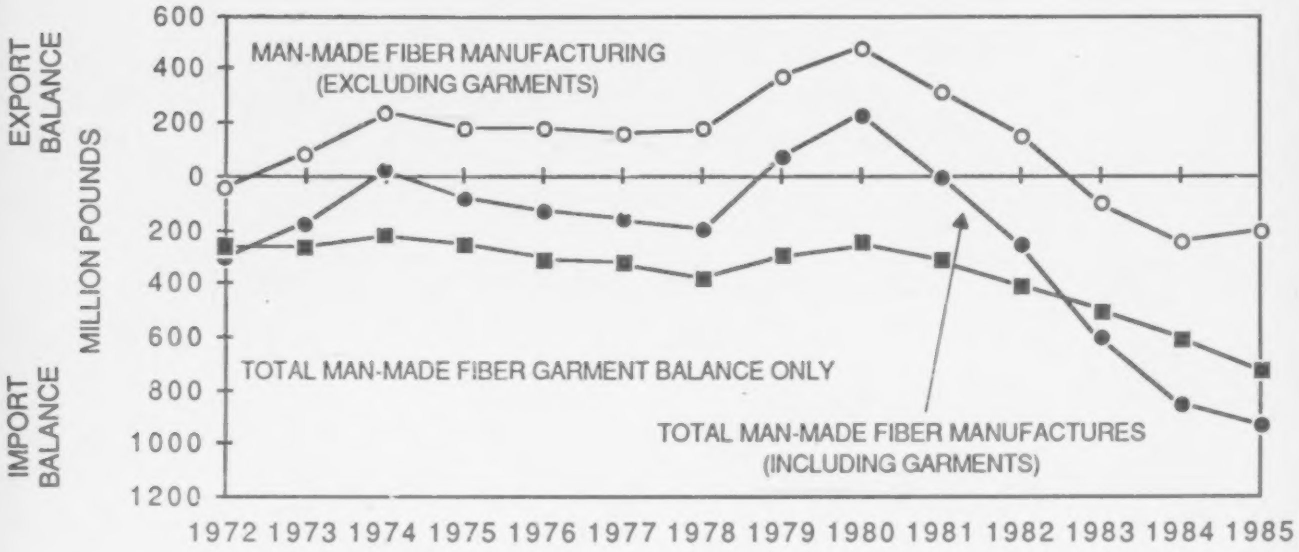


TABLE 4A:
U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER MANUFACTURES (EXCLUDING TRADE IN GARMENTS)
1972-1985

MILLION POUNDS

YEAR	IMPORTS	EXPORTS	BALANCE [a]
1972	196.9	152.8	44.1 I
1973	178.4	263.4	85.0 E
1974	119.2	357.6	238.4 E
1975	111.4	290.6	179.2 E
1976	135.1	317.8	182.7 E
1977	164.6	327.3	162.7 E
1978	217.0	393.1	176.1 E
1979	165.2	536.1	370.9 E
1980	162.0	644.4	482.4 E
1981	202.0	517.0	315.0 E
1982	211.5	363.3	151.8 E
1983	493.4	389.9	103.5 I
1984	653.1	408.6	244.5 I
1985	598.9	395.1	203.8 I

TABLE 4B:
U.S. GARMENTS TRADE BALANCE
1972-1985

MILLION POUNDS

YEAR	BALANCE [a]
1972	262.8 I
1973	261.7 I
1974	218.9 I
1975	257.2 I
1976	310.0 I
1977	326.7 I
1978	377.0 I
1979	299.3 I
1980	251.5 I
1981	316.4 I
1982	411.3 I
1983	505.2 I
1984	609.5 I
1985	732.9 I

SOURCE: U.S. Census Bureau Report IM145X and EM546. U.S. Department of Agriculture, Cotton & Wool Outlook and Situation Report.

a. I Means Import Balance. E Means Export Balance.

TRADE BAROMETER

MAN-MADE FIBER TRADE BALANCE RISES

The U.S. man-made fiber balance of trade rose sharply in August, as the net-export balance of trade rose to 19.6 million pounds, up over 108% from the 9.4 million pound export balance in July.

Rising exports coupled with declining imports resulted in the rising trade balance. Exports of fiber totaled 50.5 million pounds, up10% from the 45.9 million pound export level in July. Imports in August totaled 30.9 million pounds, down over 15% from the 36.5 million pounds imported last month.

The August balance of trade is 74% below that of August 1985. This month's exports are 40% below the level of last August, while imports are over 4% above the August 1985 level.

AUGUST DETAIL

The net-export balance of trade in noncellulosic yarn+monofilaments rose 3.1% in August to 6.6 million pounds and the net-export balance in noncellulosic staple+tow increased over 200% to 3.6 million pounds.

The noncellulosic staple+tow balance of trade rose in August as a result of rising exports and declining imports. Exports increased over 3% and imports fell by nearly 11%.

The balance of trade in noncellulosic yarn+monofilaments rose in August as imports declined by 14% and exports fell by almost 9%.

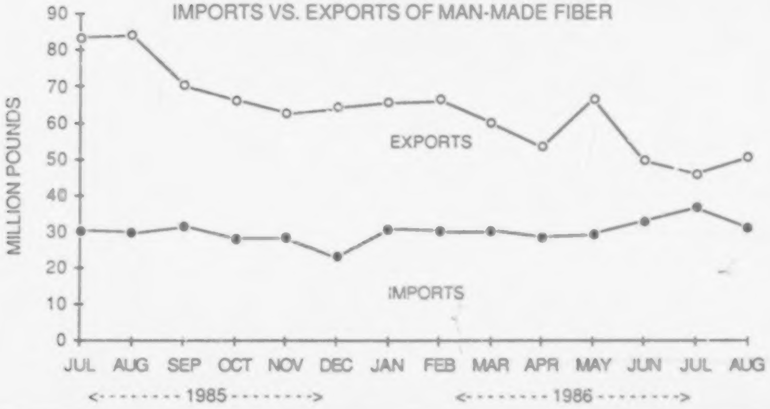
Key areas to note in August:

- Acrylic staple. Exports rose by 40%, while imports fell over 41%.
- Olefin staple. Exports increased by 2%, whereas imports declined by 52%.
- Polyester staple. Exports fell nearly 14%, while imports dropped by 13%.
- Polyester textured yarn. Imports declined by 35%, and exports fell by 41%.

NOTE ABOUT MANUFACTURES TRADE DATA

Due to substantial revisions and additions to the U.S. Census TSUSA commodity number system, there will not be a listing of trade data for manufactures this month. As soon as changes are implemented, the manufactures trade data will again appear in the ***ORGANON.***

GRAPH 5:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 6:
MAN-MADE FIBER TRADE BALANCE DETAIL

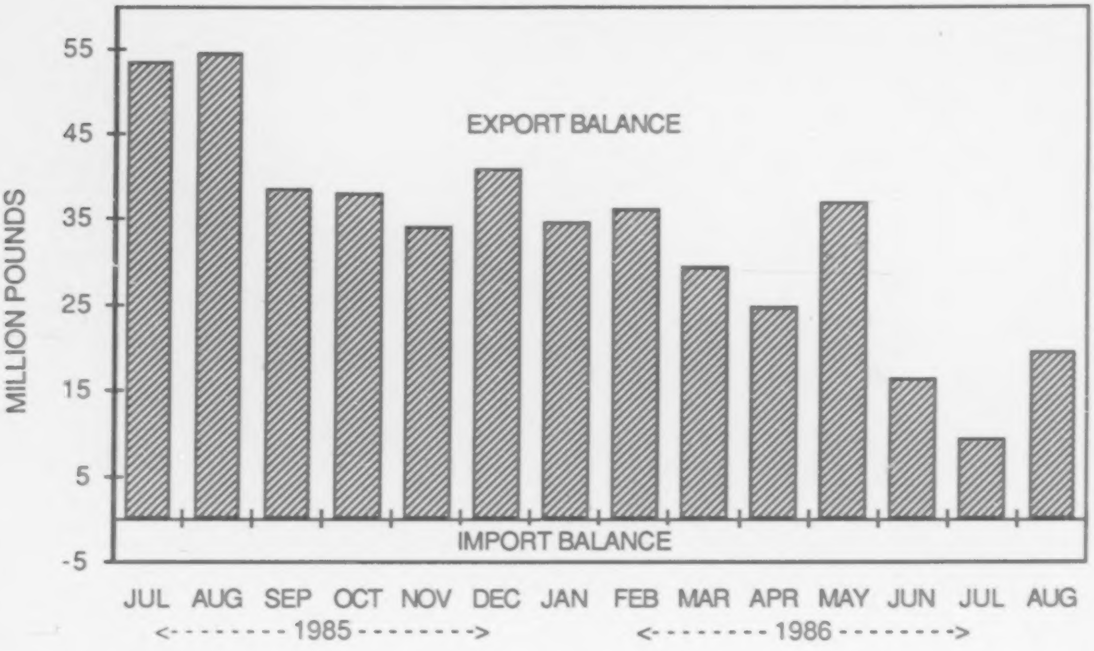


TABLE 5:
MAN-MADE FIBER MONTHLY TRADE BALANCE DETAIL

MILLION POUNDS

COMMODITY	1985						1986							
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
CELLULOSIC YARN+MONOFILAMENTS	+	0.4 I	1.1 I	0.8 I	0.1 I	0.3 I	0.9 I	0.8 I	0.7 I	0.9 I	0.1 I	0.7 I	0.7 I	0.8 I
CELLULOSIC STAPLE+TOW	0.9 E	4.3 E	1.1 E	2.4 E	1.7 E	1.0 E	0.8 E	1.5 E	4.0 E	0.4 I	1.4 E	0.4 E	1.5 E	1.6 E
NONCELLULOSIC YARN+MONOFILAMENTS	21.0 E	23.2 E	19.3 E	18.1 E	20.3 E	20.5 E	20.5 E	15.3 E	14.4 E	13.6 E	20.0 E	7.1 E	6.4 E	6.6 E
NONCELLULOSIC STAPLE+TOW	28.0 E	22.5 E	16.3 E	14.1 E	5.5 E	14.6 E	9.1 E	12.1 E	5.6 E	4.0 E	8.6 E	4.0 E	1.2 E	3.6 E
CELLULOSIC WASTE	+	+	0.1 E	+	+	+	0.1 E	0.2 E	0.2 E	0.3 E	0.1 E	0.1 E	0.1 E	0.3 E
NONCELLULOSIC WASTE	3.7 E	4.9 E	3.0 E	4.4 E	6.7 E	5.3 E	5.2 E	8.0 E	6.1 E	8.3 E	7.0 E	5.7 E	0.9 E	8.3 E
TOTAL	53.6 E	54.5 E	38.7 E	38.2 E	34.1 E	41.1 E	34.8 E	36.3 E	29.6 E	24.9 E	37.0 E	16.6 E	9.4 E	19.6 E

I means net-import balance.
E means net-export balance.

TABLE 6A:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION
THOUSAND POUNDS

	A. CELLULOSIC YARN, MONO & STRIPS			B. NONCELLULOSIC TEXTILE YARN			C. NC INDUSTRIAL YARN, MONO & STRIPS			D. CELLULOSIC STAPLE+TOW			E. NONCELLULOSIC STAPLE+TOW		
COUNTRY	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986
CANADA	1446	3172	2059	19232	15849	9595	5783	8422	4606	364	243	126	63903	58372	27682
COSTA RICA	32	46	0	2813	2932	3244	547	266	53	74	84	42	5203	4141	1148
DOMINICAN REPUBLIC	5	10	2	1275	2037	717	68	122	269	0	64	7	466	476	112
EL SALVADOR	7	14	2	3444	3759	3176	437	622	184	35	0	239	6639	5087	1662
GUATEMALA	0	132	0	2328	2428	431	239	259	104	44	0	0	3181	2710	1384
HAITI	0	0	0	465	323	42	710	784	334	0	0	5	36	1	5
HONDURAS	34	0	0	478	238	684	137	480	84	0	2	4	2162	923	91
JAMAICA	1	0	1	218	227	148	7	13	3	44	0	0	34	54	0
LEEWARD & WINDWARD ISL.	0	2	0	65	0	0	1	2	0	10	0	0	7	0	0
MEXICO	22	46	41	485	817	285	1845	1663	849	9441	15171	5348	2010	4097	10224
NICARAGUA	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
PANAMA	0	0	0	31	209	42	101	99	35	0	0	0	50	35	1
TRINIDAD	0	0	0	69	2	0	16	5	4	1	1	0	3	44	2
OTHER	2	0	0	26	+	1	19	3	2	+	1	0	48	4	13
NORTH AMERICA	1549	3422	2105	30929	28821	18365	9911	12740	6527	10013	15566	5771	83742	75944	42324
ARGENTINA	92	158	19	3596	372	78	1088	37	47	707	112	71	13272	529	144
BOLIVIA	0	0	0	72	25	20	1	9	0	0	0	0	172	374	110
BRAZIL	+	0	62	1752	1454	800	1152	1420	526	15	48	19	171	637	636
CHILE	10	0	6	281	160	269	65	43	99	2041	828	499	9250	6278	5538
COLOMBIA	11	0	0	2436	1285	280	603	354	227	4921	2003	1841	15187	9377	4485
ECUADOR	266	491	102	563	2042	587	46	316	45	264	275	43	7177	11651	3596
PARAGUAY	0	0	0	2	0	9	0	0	0	0	14	0	0	0	9
PERU	2	3	0	127	118	23	130	306	604	1	81	63	1369	514	445
URUGUAY	0	15	0	170	154	73	7	1	1	844	0	0	756	292	102
VENEZUELA	9	60	7	1866	1853	1879	309	601	128	19548	15259	3162	2822	2478	2108
OTHER	0	0	0	0	25	1	0	3	5	0	0	0	+	0	0
SOUTH AMERICA	390	727	196	10865	7488	4019	3401	3090	1682	28341	18620	5698	50176	32130	17173
BELGIUM/LUXEMBOURG	2308	3025	531	13737	8603	4489	10909	10759	7328	812	481	439	14455	8991	4626
DENMARK	0	0	0	87	53	217	20	88	83	15	6	3	1737	2135	2254
FRANCE	1	0	0	2384	2326	1068	136	389	168	251	262	112	579	621	364
GERMANY, FED. REP. OF	258	208	52	1337	2978	796	763	3079	5906	211	167	75	1587	3182	1586
GREECE	0	1	0	16	0	21	27	17	2	0	36	0	459	109	59
IRELAND	0	0	0	1728	1907	826	80	230	337	113	5	0	396	292	63
ITALY	0	1	1	938	647	467	5070	6499	565	353	737	73	972	5359	4313
NETHERLANDS	0	0	15	976	834	465	116	279	75	50	14	13	3750	4632	3189
UNITED KINGDOM	1	160	28	4545	4853	2182	4760	4721	1577	266	698	688	2551	3110	823
AUSTRIA	0	0	0	20	4	8	90	67	28	19	4	2	16	12	26
CZECHOSLOVAKIA	0	0	0	0	0	0	203	212	19	0	0	0	0	0	0
FINLAND	0	0	0	19	14	17	478	249	595	36	3	0	418	251	95
GERMANY, DEM. REP.	0	0	0	19	0	0	0	98	0	0	0	0	242	0	0
HUNGARY	+	0	0	0	0	36	0	0	0	0	0	0	0	0	0
ICELAND	0	0	0	0	0	0	1	0	0	0	0	0	164	175	33
NORWAY	0	0	0	6	41	384	2	0	56	60	49	57	111	188	71
POLAND	96	73	0	202	166	0	2334	3833	1046	0	0	0	11441	9401	2692
PORTUGAL	0	0	0	1066	589	233	6	97	99	0	0	0	1	64	0
SPAIN	0	0	0	0	433	520	2336	1533	169	60	40	7	1563	2888	1476
SWEDEN	0	0	0	341	179	229	2072	1079	158	31	31	20	417	693	528
SWITZERLAND	0	0	1	18	791	229	83	26	220	13	14	7	50	31	1055
TURKEY	0	0	0	561	925	33	29301	29374	15009	0	0	87	97	984	1175
U.S.S.R.	0	0	0	0	0	0	0	1928	0	11217	0	0	0	9	0
YUGOSLAVIA	0	506	0	0	1	1	212	1684	450	0	0	0	0	0	138
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	+	0	0
EUROPE	2664	3974	628	28000	25344	12221	58999	66241	33890	13507	2547	1583	41006	43127	24566

See footnotes opposite.

TABLE 6B:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(CONTINUED)*
THOUSAND POUNDS

	A. CELLULOSIC YARN, MONO & STRIPS			B. NONCELLULOSIC TEXTILE YARN			C. NC INDUSTRIAL YARN, MONO & STRIPS			D. CELLULOSIC STAPLE+TOW			E. NONCELLULOSIC STAPLE+TOW		
COUNTRY	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986	1984	1985	6 MOS. 1986
AUSTRALIA	1424	1660	756	5136	4670	4322	1591	1683	824	178	240	125	4612	3169	1803
BANGLADESH	0	0	0	45	75	0	0	0	0	0	0	0	0	0	0
CHINA, P.R.C.	1	0	0	35699	110359	40739	860	13930	50	0	42	2465	127798	159054	10149
HONG KONG	41	1	12	520	2687	597	177	4516	144	2	5	39	8115	6838	6255
INDIA	46	0	22	126	241	414	2389	2624	1305	7	240	0	1476	4601	1273
INDONESIA	0	0	0	305	59	113	170	2031	1046	15	0	0	630	453	461
IRAQ	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	2	11	70	2787	4026	1449	5869	3627	3187	6	23	7	2040	1915	720
JAPAN	1	23	0	2101	2435	1088	9061	10116	4705	187	233	93	3251	2920	2279
JORDAN	0	0	0	227	236	29	0	0	0	0	0	0	0	0	0
KOREA, REP. OF	407	361	0	349	597	230	479	742	322	1	1	0	4430	12431	4935
LEBANON	0	0	0	25	0	0	7	2	113	0	0	0	1	0	0
MALAYSIA	0	0	1	0	0	0	1	0	0	7	0	0	575	28	12
NEW ZEALAND	5	9	0	1319	949	499	557	459	162	7	51	12	385	343	165
PAKISTAN	0	0	0	84	139	14	75	30	44	0	0	0	0	12	0
PHILIPPINES	28	2	2	268	134	124	575	787	455	2908	10	2	3496	3779	3065
QATAR	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
SAUDI ARABIA	0	16	0	47	8	0	5	37	15	4	5	0	43	42	0
SINGAPORE	0	0	0	13	5	5	5	123	5	5	0	1	203	127	98
SYRIA	0	0	0	151	320	273	582	0	88	0	0	0	0	797	26
TAIWAN	1702	7	1	11343	3446	573	2481	2147	2200	71	162	24	60495	46387	9063
THAILAND	63	196	48	4	3	0	2	281	75	0	0	0	1084	717	152
UNITED ARAB EMIRATES	0	0	0	+	0	0	1	0	1	0	0	0	37	0	0
OTHER	0	3	0	2	+	0	0	2	+	1	3	0	165	14	109
ASIA & OCEANIA	3720	2289	912	60557	130389	50469	24887	43137	14741	3399	1017	2768	219036	243627	40565
ALGERIA	0	0	0	5657	2178	0	3	2	2	0	0	0	0	0	0
CAMEROON	0	0	0	127	8	42	0	0	0	0	0	0	287	0	0
EQYPT	0	0	0	4056	2910	1579	55	76	643	444	0	0	8555	9905	4947
KENYA	0	0	0	0	0	0	4	0	0	2	0	0	0	306	0
MOROCCO	71	0	0	69	110	608	21	307	596	0	0	0	383	461	475
MOZAMBIQUE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NIGERIA	0	0	0	1174	866	932	50	1	0	0	0	0	631	0	44
SOUTH AFRICA	439	218	0	2349	621	117	651	127	5	99	74	46	22793	9481	2262
SUDAN	0	0	0	0	0	0	4	0	0	0	0	0	108	12	0
TANZANIA	0	0	0	361	995	0	8	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	110	27	28	0	0	0	0	0	0	90	3	0
ZAMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	46	0	0	42	85	0	167	0	0	2757	1515	19
OTHER	0	0	0	118	239	86	+	1	0	0	0	0	0	1	+
AFRICA	510	218	0	14067	7954	3392	838	599	1246	712	74	46	35604	21684	7747
GRAND TOTAL	8833	10629	3841	144418	199996	88466	98036	125807	58086	55972	37824	15866	429564	416512	132375

SOURCE: U.S. Census Bureau Report EM546.

The commodity numbers are:

A. 309.0110, .2210, 310.0006 & .0026.

B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & .0044.

C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032.

D. 309.4219 & .4222.

E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

TABLE 7:
U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1982	1983	1984	1985	6 MOS. 1986	1982	1983	1984	1985	6 MOS. 1986
CELLULOSIC FIBERS											
FILAMENT YARN [a]											
TEXTURED	310.0006	402	239	129	101	37	655	502	337	298	104
OTHER [b]	310.0026	21618	15496	8614	10412	3738	24490	16908	10051	13859	4922
MONOFILAMENTS	309.0110	15	43	12	79	52	90	135	66	178	331
STRIPS	309.2210	105	40	79	37	14	96	56	85	44	16
SUBTOTAL ABOVE		**22140**	**15818**	**8834**	**10629**	**3841**	**25331**	**17601**	**10539**	**14379**	**5373**
STAPLE+TOW-RAYON	309.4222	63371	40118	53882	35975	14932	41063	27427	37688	25546	10390
STAPLE-ACETATE	309.4219	3642	3093	2090	1849	934	3277	2677	2337	2535	1248
SUBTOTAL ABOVE		**67013**	**43211**	**55972**	**37824**	**15866**	**44340**	**30104**	**40025**	**28081**	**11638**
WASTE, ADVANCED&NOT ADVANCED	309.7400	3193	1363	1632	1207	1058	1397	527	1062	801	979
NONCELLULOSIC FIBERS											
YARN - SINGLES											
NYLON - TEXTURED	310.0008 & .0009	39429	40008	32268	26894	11672	62179	58366	50916	39982	20491
- HIGH TENACITY [c]	310.0027	48396	55606	66732	69386	35353	57259	65096	62515	72294	41752
- OTHER	310.0029	11789	15580	13155	9357	5293	23987	33591	28217	19373	11316
POLYESTER - TEXTURED	310.0010	182935	64040	79753	135997	51173	227816	80399	93889	140792	50827
- HIGH TENACITY [c]	310.0032	13752	12237	9156	32137	13063	17846	15553	11064	29618	14584
- OTHER [d]	310.0034	10179	3713	5968	8934	1634	10221	6518	8371	9270	1595
OTHER - TEXTURED	310.0014	15652	12631	7673	10495	14384	19147	16139	12040	14470	15319
- OLEFIN	310.0040	1124	806	340	555	1353	1643	1259	485	766	1329
- OTHER	310.0044	3891	3610	5261	7766	2957	19335	20983	26909	32505	18997
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	4424	2350	2848	2364	2506	14193	10009	10435	9221	6340
POLYESTER [e]	309.0140	4242	2925	3794	5759	3062	8662	7292	10141	14128	6225
OTHER	309.0170	8185	9930	11047	11955	2353	28295	19101	22912	17491	10427
STRIPS	309.2220 & .2270	2366	3242	4460	4204	1749	4642	5402	11398	13903	6367
SUBTOTAL ABOVE		**346364**	**226678**	**242455**	**325803**	**146552**	**495225**	**339708**	**349292**	**413813**	**205569**
STAPLE - NYLON	309.4240	15374	13518	14904	11100	7089	19751	17857	21685	13854	8946
- POLYESTER	309.4242	189584	101255	178903	176697	48485	134073	68307	116843	112222	30716
- ACRYLIC	309.4245	126617	114385	162285	150729	34264	91350	78572	114377	100146	24002
- OLEFIN	309.4246	7616	3698	4368	6974	6605	3663	2746	4088	5754	5822
- OTHER	309.4247	15410	11974	8555	10695	8834	29336	28331	30566	35401	26166
GROUPED FILAMENTS											
NYLON	309.3220	4966	3425	3048	1948	3313	11281	8766	8947	4635	3305
POLYESTER [d]	309.3240	28133	28890	23693	29155	10195	28075	25808	20749	23335	10042
ACRYLIC	309.3250 & .3255	23322	34621	33807	29214	13590	19341	28101	27202	24095	12418
SUBTOTAL ABOVE		**411022**	**311766**	**429563**	**416512**	**132375**	**336870**	**258488**	**344457**	**319442**	**121417**
WASTE, ADVANCED&NOT ADVANCED											
- NYLON	309.7620	11806	11841	12465	5601	3313	7648	6093	6494	3048	1528
- POLYESTER	309.7630	50903	40473	57371	46404	31925	21091	16090	22417	17722	11929
- ACRYLIC	309.7640	1713	2025	4620	4804	3724	610	773	1365	1286	823
- OTHER	309.7660	21654	16942	15203	18836	22492	10206	6583	6385	6818	7242
SUBTOTAL ABOVE		**86076**	**71281**	**89659**	**75645**	**61454**	**39555**	**29539**	**36661**	**28874**	**21522**
TOTAL MAN-MADE ABOVE		**935808**	**670117**	**828115**	**867620**	**361146**	**942718**	**675967**	**782036**	**805390**	**366498**
TEXTILE GLASS FIBER	309.2700 & .9700	43714	39413	58101	58328	28072	39861	29553	56385	57787	29704
GRAND TOTAL ABOVE		979522	709530	886216	925948	389218	982579	705520	838421	863177	396202

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 8:
U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1982	1983	1984	1985	6 MOS. 1986	1982	1983	1984	1985	6 MOS. 1986
CELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	561	256	1571	190	241	857	290	940	267	296
OTHER	310.0130 & .0230 [a]	6437	7843	8245	12951	7083	10381	12365	12924	19129	12427
MONOFILAMENTS	309.0310 & .0610	2	24	5	19	15	10	36	20	44	48
STRIPS, $1/LB & UNDER	309.2000*	27	570	160	763	586	15	396	88	624	500
SUBTOTAL ABOVE		**7027**	**8693**	**9981**	**13923**	**7925**	**11263**	**13087**	**13972**	**20064**	**13271**
STAPLE	309.4320 & .4325	11939	12752	15388	11286	7519	8383	8434	10320	6844	5309
GROUPED FILAMENTS	309.3010 & .3310	1469	836	1605	1372	627	2342	1312	2619	1471	803
SUBTOTAL ABOVE		**13408**	**13588**	**16993**	**12658**	**8146**	**10725**	**9746**	**12939**	**8315**	**6112**
WASTE, ADVANCED&NOT ADVANCED	**309.5615 & .7510**	**395**	**277**	**530**	**479**	**76**	**170**	**164**	**323**	**263**	**46**
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON											
LESS THAN 450	310.0107 & .0207	4744	5123	17966	32352	1487	8157	8610	26141	35244	2975
MORE THAN 450	310.0108 & .0208					12445					13814
- POLYESTER	310.0110 & .0210	510	2182	10806	16642	5917	563	2403	10513	14653	5134
- OTHER	310.0114 & .0214	4340	7659	8939	14723	9499	5580	8986	10536	15732	8953
OTHER - NYLON	310.0149 & .0249	5533	14745	30192	18350	9392	7941	17994	39222	23747	12911
- POLYESTER	310.0150 & .0250	5263	13629	15698	16728	12311	7584	17705	21121	20624	15917
- OTHER	310.0170 & .0270 [b]	1639	2739	2468	2520	2358	4854	6730	4139	4203	3888
MONOFILAMENTS	309.0200 & .0330 [c]	1497	1737	2857	2059	1414	5053	4721	8817	5537	4222
STRIPS, OVER $1/LB	309.2100 & .2500*	306	553	1066	1187	720	2069	3952	5844	5886	2983
SUBTOTAL ABOVE		**23832**	**48367**	**89992**	**104561**	**55543**	**41801**	**71101**	**126333**	**125626**	**70797**
STAPLE - NYLON	309.4330 & .4350	11503	27648	38281	38544	22471	10488	23588	36579	34292	21418
- POLYESTER	309.4335 & .4360	7257	21502	22890	26800	18126	4791	11912	13272	15841	10092
- ACRYLIC	309.4355	7851	13644	13541	17611	7188	6777	12052	12568	16396	6514
- OLEFIN	309.4370	627	1196	2213	5732	1323	638	911	1630	3879	820
- OTHER	309.4340 & .4380	10853	9078	15412	25516	10407	6744	7010	11326	21283	9018
GROUPED FILAMENTS											
NYLON	309.3030 & .3200	7620	19085	23129	29514	20015	11385	27142	33524	40769	29831
POLYESTER	309.3040 & .3340	56	2035	7104	4980	890	160	2268	6569	4715	996
ACRYLIC	309.3050 & .3350	4436	6642	6929	7518	6837	8313	13631	15116	16548	17015
OTHER	309.3065 & .3365	882	663	1660	3231	1714	1247	742	2371	4313	1873
SUBTOTAL ABOVE		**51087**	**101492**	**131159**	**159446**	**88971**	**50543**	**99256**	**132995**	**158036**	**97577**
WASTE, NOT ADVANCED											
- NYLON	309.6625	22190	26745	31205	27162	11394	8275	11494	13876	10793	4047
- POLYESTER	309.6630	11187	13004	8042	7149	3200	1944	2503	1325	1143	459
- ACRYLIC	309.6645	932	304	39	283	25	274	76	8	48	16
- OTHER	309.6660	2530	2724	4074	2072	4323	689	1000	2027	607	1371
NOILS & GARNETTED FIBERS	309.6000 & .7000*	55	232	458	155	121	34	82	254	101	96
OTHER WASTE, ADVANCED	309.7525 - .7555	851	3080	6729	3852	2008	471	1219	1912	890	486
SUBTOTAL ABOVE		**37745**	**46089**	**50547**	**40673**	**21071**	**11687**	**16374**	**19402**	**13582**	**6475**
TOTAL MAN-MADE ABOVE		**133494**	**218506**	**299202**	**331740**	**181732**	**126189**	**209728**	**305924**	**325886**	**194278**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310.1506	2	1	1	3	+	10	4	7	7	5
- NONCELLULOSIC	310.1015 [d] & .1205 [e]	5315	8110	12223	10658	8016	7806	11709	17370	9955	8450
OTHER - CELLULOSIC	310.1030 & .1535 [f]	146	93	173	523	314	240	351	723	937	1034
- NONCELLULOSIC	310.1050 & .1070 [g]	979	2054	2763	4950	2161	1789	3594	4447	6795	5384
SPUN YARN - CELLULOSIC	310.4005 & .4030 [h]	325	1091	1724	1739	1183	756	1975	2224	2100	1761
- OTHER	310.4015 & .4027 [i]	22056	31487	35583	34260	20641	40264	51623	58127	54897	34823
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	3107	2955	7517	8912	6388	9649	10969	16210	15640	11122
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140 [j]	2277	2654	5445	9283	2546	9170	11898	18111	28952	19
SLIVER, TOPS & ROVING	309.9000	2626	4755	4544	1941	1751	2977	5193	4792	2334	2439
TEXTILE GLASS FIBER	309.2800 & .2900 [k]	14100	20020	23083	34690	13870	10114	13878	19203	27850	12888
GRAND TOTAL ABOVE		**184427**	**291726**	**392258**	**438699**	**238602**	**208964**	**320922**	**447138**	**475353**	**272203**

SOURCE: U.S. Census Bureau Report IM146.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. - There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 9:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986												YEAR TO DATE	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0006	0	3	5	22	3	4	30	+					67	64
OTHER[b]	310.0026	483	499	712	729	742	573	532	435					4705	5891
MONOFILAMENTS	309.0110	18	3	22	8	1	0	12	0					64	73
STRIPS	309.2210	0	0	1	1	12	0	0	0					14	7
SUBTOTAL ABOVE		**501**	**505**	**740**	**760**	**758**	**577**	**574**	**435.**					**4850**	**6035**
STAPLE+TOW-RAYON	309.4222	2262	2482	5331	790	2402	1665	3084	2893					20909	26617
STAPLE-ACETATE	309.4219	175	102	162	223	208	64	77	141					1152	1088
SUBTOTAL ABOVE		**2437**	**2584**	**5493**	**1013**	**2610**	**1729**	**3161**	**3034**					**22061**	**27705**
WASTE, ADVANCED&NOT ADVANCED	309.7400	**58**	**233**	**157**	**303**	**126**	**171**	**95**	**309**					**1462**	**885**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0008 & .0009	1373	2025	2135	1843	2066	2230	2097	2397					16166	18175
- HIGH TENACITY[c]	310.0027	5757	6837	5805	5895	5786	5273	7012	6434					48799	45039
- OTHER	310.0029	638	1276	1238	867	425	849	731	753					6777	6114
POLYESTER - TEXTURED	310.0010	7485	8451	9794	5928	15265	4250	4940	2921					59034	88771
- HIGH TENACITY[c]	310.0032	1952	1435	1252	2765	2717	2942	1361	1355					15779	20286
- OTHER[d]	310.0034	735	128	90	189	151	341	60	203					1897	6313
OTHER - TEXTURED	310.0014	6990	916	1023	1116	906	1433	1067	1586					17037	5585
- OLEFIN	310.0040	67	951	84	119	87	45	25	72					1450	362
- OTHER	310.0044	212	600	479	524	742	400	697	394					4048	6047
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	376	287	312	533	437	561	332	258					3096	1587
POLYESTER[e]	309.0140	663	503	340	535	589	432	405	453					3920	4200
OTHER	309.0170	283	450	537	418	373	292	249	436					3038	7453
STRIPS	309.2220 & .2270	320	283	194	211	362	379	479	499					2727	2873
SUBTOTAL ABOVE		**28851**	**24142**	**23283**	**20943**	**29906**	**19427**	**19455**	**17761**					**183768**	**212805**
STAPLE - NYLON	309.4240	1111	1230	1074	1054	1348	1272	858	801					8748	7303
- POLYESTER	309.4242	8164	8395	6714	6651	9885	8676	9271	7998					65754	142328
- ACRYLIC	309.4245	8607	7909	4248	4524	5220	3756	2981	4175					41420	104967
- OLEFIN	309.4246	1844	1327	1269	1105	437	623	1018	1039					8662	4616
- OTHER	309.4247	1124	2228	1796	1208	1324	1154	1351	813					10998	7439
GROUPED FILAMENTS															
NYLON	309.3220	238	350	176	336	1987	226	204	356					3873	1350
POLYESTER[d]	309.3240	1997	2797	1950	1832	280	1339	1281	1135					12611	21792
ACRYLIC	309.3250 & .3255	2090	2775	3435	1893	2280	1117	815	1925					16330	20948
SUBTOTAL ABOVE		**25175**	**27011**	**20662**	**18603**	**22761**	**18163**	**17779**	**18242**					**168396**	**310743**
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	299	806	408	628	785	387	525	1036					4874	2480
- POLYESTER	309.7630	3848	5678	4934	7109	5390	4966	2224	5372					39521	27588
- ACRYLIC	309.7640	569	624	1080	228	399	824	322	363					4409	3135
- OTHER	309.7660	3831	4801	3139	3779	3701	3241	1752	3903					28147	9742
SUBTOTAL ABOVE		**8547**	**11909**	**9561**	**11744**	**10275**	**9418**	**4823**	**10674**					**76951**	**42945**
TOTAL MAN-MADE ABOVE		**65579**	**66384**	**59896**	**53366**	**66436**	**49485**	**45887**	**50455**					**457488**	**601118**
TEXTILE GLASS FIBER	309.2700 & .9700	4355	4551	5042	4580	5008	4536	5148	5639					38859	42686
GRAND TOTAL ABOVE		**69934**	**70935**	**64938**	**57946**	**71444**	**54021**	**51035**	**56094**					**496347**	**643804**

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

TABLE 10:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1986 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1986	1985
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	28	30	29	0	123	31	155	44					440	116
OTHER	310.0130 & .0230[a]	1309	1180	1318	1488	628	1160	1037	1188					9308	7461
MONOFILAMENTS	309.0310 & .0610	0	5	5	0	4	0	0	0					15	18
STRIPS, $1/LB & UNDER	309.2000*	38	87	89	126	129	117	41	7					634	506
SUBTOTAL ABOVE		1375	1302	1442	1614	884	1308	1233	1239					10397	8101
STAPLE	309.4320 & .4325	1465	1056	1396	1298	1121	1183	1524	1471					10514	7655
GROUPED FILAMENTS	309.3010 & .3310	140	39	130	86	77	155	174	1					802	810
SUBTOTAL ABOVE		1605	1095	1526	1384	1198	1338	1698	1472					11316	8465
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	+	0	+	33	+	43	0	0					76	288
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	150	195	203	139	548	252	213	296					1996	} 20721
MORE THAN 450	310.0108 & .0208	1809	1217	1092	918	2313	5096	4606	3308					20359	
- POLYESTER	310.0110 & .0210	748	1376	1165	1209	1039	380	1210	788					7915	11398
- OTHER	310.0114 & .0214	1640	2607	1276	1088	1059	1829	1997	1193					12689	8853
OTHER - NYLON	310.0149 & .0249	1236	1498	1935	1321	1650	1752	2274	2395					14061	14351
- POLYESTER	310.0150 & .0250	1898	1331	2390	1911	2512	2269	1885	2572					16768	10737
- OTHER	310.0170 & .0270[b]	483	225	438	400	403	409	395	365					3118	1344
MONOFILAMENTS	309.0200 & .0330[c]	275	256	267	218	196	202	206	145					1765	1422
STRIPS, OVER $1/LB	309.2100 & .2500*	108	127	62	164	142	117	221	120					1061	777
SUBTOTAL ABOVE		8347	8832	8828	7368	9862	12306	13007	11182					79732	69603
STAPLE - NYLON	309.4330 & .4350	3716	4331	3835	4107	3294	3188	5098	4420					31989	26505
- POLYESTER	309.4335 & .4360	2725	3058	3474	2831	2760	3278	3206	3099					24431	17546
- ACRYLIC	309.4365	1473	822	887	1202	1542	1262	2407	1416					11011	10564
- OLEFIN	309.4370	623	222	149	28	107	194	205	86					1614	3524
- OTHER	309.4340 & .4380	2666	1949	1613	1881	1478	820	1137	711					12255	16175
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3381	3504	3164	3153	3258	3555	3174	3266					26455	19834
POLYESTER	309.3040 & .3340	147	150	204	84	197	108	223	165					1278	3378
ACRYLIC	309.3050 & .3350	972	670	1616	1048	1138	1393	1023	1359					9219	5187
OTHER	309.3065 & .3365	341	203	141	285	364	380	102	154					1970	1404
SUBTOTAL ABOVE		16044	14909	15083	14619	14138	14178	16575	14676					120222	104117
WASTE, NOT ADVANCED															
- NYLON	309.6625	1605	2239	2315	1439	1492	2304	2034	1274					14702	20432
- POLYESTER	309.6630	560	403	465	827	511	434	733	402					4335	5341
- ACRYLIC	309.6645	0	0	6	0	19	0	188	36					249	141
- OTHER	309.6660	892	813	256	748	922	692	738	489					5550	1197
NOILS & GARNETTED FIBERS	309.6000 & .7000*	+	59	0	0	62	0	0	0					121	124
OTHER WASTE, ADVANCED	309.7525 - .7555	324	357	372	456	253	246	261	128					2397	2311
SUBTOTAL ABOVE		3381	3871	3414	3470	3259	3676	3954	2329					27354	29546
TOTAL MAN-MADE ABOVE		30752	30009	30293	28488	29341	32849	36467	30898					249097	220120
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	+	+	0	1					1	1
- NONCELLULOSIC	310.1015[d] & .1205[e]	1743	1666	1034	1666	1137	770	519	372					8907	5833
OTHER - CELLULOSIC	310.1030 & .1535[f]	83	108	41	13	20	49	56	12					382	331
- NONCELLULOSIC	310.1050 & .1070[g]	496	261	113	248	321	722	385	505					3051	3696
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	227	105	155	182	232	282	361	221					1765	1076
- OTHER	310.4015 & .4027[i]	2619	3160	3542	3597	3591	4132	5686	4284					30611	22913
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	225	385	830	1278	1957	1713	2388	2165					10941	5623
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140[j]	284	491	478	387	411	495	369	369					3284	5532
SLIVER, TOPS & ROVING	309.9000	282	239	493	226	240	271	255	306					2312	1572
TEXTILE GLASS FIBER	309.2800 & .2900[k]	2142	3090	2643	2221	1883	1891	2025	1328					17223	22200
GRAND TOTAL ABOVE		38853	39514	39622	38306	39133	43174	48511	40461					327574	288897

SOURCE: U.S. Census Bureau Report IM145X.

NES - Not elsewhere specified.

+ Means a nominal poundage.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1210, .1510 & .1514.

f. Also includes 310.2110.

g. Also includes 310.1550, .1555, .1570, .2030, .2050, .2130, .2150.

h. Also includes 310.5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Also includes 310.9300 & .9500.

k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	82	56	0	53	0	0	0	0					191	365
CANADA	200	420	226	302	698	431	465	443					3185	1462
GERMANY, FED. REP. OF	482	284	783	594	22	494	489	402					3550	3571
JAPAN	95	41	50	25	35	26	32	0					304	397
MEXICO	81	114	0	62	0	0	63	40					360	697
NETHERLANDS	195	181	167	233	34	179	124	268					1381	856
REP. OF KOREA	80	60	80	80	0	60	20	20					400	241
ALL OTHER COUNTRIES [a]	160	146	136	265	95	118	40	66					1026	512
TOTAL CELLULOSIC YARN	1375	1302	1442	1614	884	1308	1233	1239					10397	8101
CELLULOSIC STAPLE+TOW														
AUSTRIA	259	0	217	126	138	150	102	49					1041	362
CANADA	777	981	724	948	764	620	1221	1333					7368	4530
JAPAN	143	75	128	108	108	89	63	45					759	428
MEXICO	310	0	109	123	41	142	82	0					807	0
UNITED KINGDOM	105	39	80	69	42	40	114	4					493	968
ALL OTHER COUNTRIES [b]	11	0	268	10	105	297	116	41					848	2177
TOTAL CELLULOSIC STAPLE+TOW	1605	1095	1526	1384	1198	1338	1698	1472					11316	8465
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	0	16	31	2	8	18	7	17					99	115
AUSTRIA	113	7	115	4	150	47	135	48					619	579
BELGIUM	1152	1901	531	297	449	1550	1024	1087					7991	4797
BRAZIL	1	56	0	0	6	0	0	0					63	214
CANADA	1282	338	857	1384	1239	1598	1793	1388					9879	10505
COSTA RICA	480	430	349	608	736	647	468	751					4469	83
FRANCE	405	689	679	249	493	456	889	787					4647	3253
GERMANY, FED. REP. OF	1195	1199	1397	774	1915	4022	2735	1900					15137	12424
ISRAEL	413	277	316	226	179	239	487	264					2401	1570
ITALY	790	529	1158	895	1083	1331	1598	880					8264	9143
JAPAN	646	553	1019	693	895	758	807	719					6090	4718
MEXICO	128	917	1223	931	928	431	1366	1794					7718	5688
NETHERLANDS	74	213	29	6	255	249	47	165					1038	551
SOUTH AFRICA	853	866	532	631	565	143	322	186					4098	7416
SWITZERLAND	74	74	1	2	224	59	1	2					437	301
TAIWAN	36	39	47	144	111	32	205	131					745	158
UNITED KINGDOM	573	510	352	307	454	581	754	866					4397	4699
YUGOSLAVIA	85	0	0	0	0	0	0	0					85	2392
ALL OTHER COUNTRIES [c]	47	218	192	215	172	145	369	197					1555	997
TOTAL NONCELLULOSIC YARN	8347	8832	8828	7368	9862	12306	13007	11182					79732	69603
NONCELLULOSIC STAPLE+TOW														
BELGIUM	25	18	57	39	85	41	18	21					304	404
BRAZIL	35	60	22	0	0	161	179	86					543	3153
CANADA	2650	1831	1430	1882	1977	1812	1464	1651					14697	16892
COSTA RICA	31	44	0	0	0	0	0	0					75	1817
FRANCE	996	984	984	761	888	782	819	699					6913	6762
GERMANY, FED. REP. OF	3105	2727	2552	2994	3005	2524	2194	2490					21591	17508
ISRAEL	42	81	48	80	28	44	25	0					348	767
ITALY	1237	1748	1504	1525	721	1345	2619	2572					13271	10649
JAPAN	1919	1523	2265	1431	1515	2286	2381	2092					15412	14905
MEXICO	1025	1105	1011	1249	1599	832	1973	1458					10252	5244
NETHERLANDS	20	0	+	43	0	0	29	101					193	305
REP. OF KOREA	492	355	551	88	343	650	431	490					3400	2783
ROMANIA	210	88	158	0	438	0	456	119					1469	595
SOUTH AFRICA	80	88	0	25	53	53	49	0					348	341
SWITZERLAND	137	0	23	48	88	96	84	75					551	341
TAIWAN	2105	1587	2111	1961	1272	1380	2039	1532					13987	11470
UNITED KINGDOM	1819	2340	2151	2271	1800	2008	1659	1105					15153	9272
ALL OTHER COUNTRIES [d]	116	330	216	222	326	164	156	185					1715	909
TOTAL NONCELLULOSIC STAPLE+TOW	16044	14909	15083	14619	14138	14178	16575	14676					120222	104117

+ Means a nominal poundage.

Other countries supplying 1986 poundages are:

a. Australia 18, Austria 30, Belgium 238, China, PRC 2, France 48, Ireland 355, Israel 45, Italy 9, Taiwan 62, Thailand 17, United Kingdom 108, Yugoslavia 94.

b. France 10, Germany, Federal Rep. of 94, Hong Kong 6, Italy 248, Sweden 445, Taiwan 45.

c. Argentina 27, Chile 88, Colombia 73, Denmark 122, Dominican Rep. +, Egypt +, Greece 1, Hong Kong +, Hungary 48, India +, Ireland 212, Korea, Rep. of 200, Norway 2, Philippines +, Romania 386, Singapore 82, Somalia 95, Spain 1, Sweden 167, Turkey 51.

d. Australia 235, Austria 208, China, PRC 117, Denmark 103, Finland 18, Greece 12, Haiti 14, Hong Kong 27, Ireland 218, Kenya 31, Malaysia 96, Philippines 1, Spain 25, Sweden 148, Thailand 136, Turkey 84, Yugoslavia 240.

TABLE 12:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1986												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
CELLULOSIC YARN	17.8	17.2	18.3	19.4	18.9	17.2	17.7	17.3	17.6				161.4	156.9
NYLON[e] - INDUSTRIAL[f]	26.3	29.5	28.8	29.1	27.6	26.7	23.3	27.3	25.7				244.3	262.6
- CARPET	69.6	71.1	71.1	75.7	71.2	74.8	76.8	78.6	83.9				672.8	609.6
- TEXTILE[k]	30.9	31.1	31.7	32.1	30.6	29.1	29.0	28.0	30.5				273.0	265.2
POLYESTER - INDUSTRIAL[f]	28.2	25.6	27.9	26.7	24.4	24.6	24.6	24.7	25.5				232.2	218.4
- TEXTILE[k]	77.1	78.0	69.8	68.3	72.0	60.7	68.5	71.5	72.3				638.8	769.8
OLEFIN[h]	75.1	84.2	84.4	83.9	85.0	92.4	76.9	88.9	90.2				761.0	714.6
TOTAL NONCELLULOSIC ABOVE[i]	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**	**308.3**	**299.1**	**319.0**	**328.1**				**2822.1**	**2840.2**
STAPLE +TOW+FIBERFILL[j]														
RAYON	34.9	30.0	33.0	32.7	34.9	31.3	34.2	34.9	33.3				299.2	264.7
NYLON[e]	70.7	64.1	64.3	67.1	71.9	67.1	79.3	86.6	91.4				662.5	618.0
ACRYLIC+MODACRYLIC	50.2	47.8	52.2	55.7	55.4	51.8	50.0	50.7	56.7				470.5	491.7
POLYESTER	179.9	171.2	173.7	180.8	183.9	160.2	166.2	174.0	186.7				1576.6	1522.2
OLEFIN+VINYON	24.0	25.4	28.7	28.2	29.3	29.9	27.8	27.3	26.3				246.9	216.1
TOTAL NONCELLULOSIC ABOVE	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**	**309.0**	**323.3**	**338.6**	**361.1**				**2956.5**	**2848.0**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	13.3	12.2	13.3	12.1	12.2	12.5	13.3	13.3	14.0				14.0	16.6
NYLON[e] - INDUSTRIAL[f]	23.8	25.6	24.1	26.1	27.2	25.4	30.3	33.6	30.5				30.5	29.5
- CARPET	55.4	51.8	56.2	52.5	59.0	56.8	55.4	55.8	52.9				52.9	45.2
- TEXTILE[k]	49.0	46.1	46.2	44.7	45.8	43.9	44.6	40.1	38.2				38.2	46.4
POLYESTER - INDUSTRIAL[f]	25.1	26.1	26.9	27.2	28.9	31.5	32.0	32.9	34.5				34.5	28.5
- TEXTILE[k]	84.7	90.3	96.6	96.5	91.9	86.2	82.8	83.9	80.7				80.7	85.7
OLEFIN[h]	66.7	69.4	67.1	69.5	66.4	61.5	64.7	63.4	61.3				61.3	64.1
TOTAL NONCELLULOSIC ABOVE	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**	**305.3**	**309.8**	**309.7**	**298.1**				**298.1**	**299.4**
STAPLE+TOW+FIBERFILL														
RAYON	20.7	21.1	19.7	20.1	18.4	20.5	20.5	19.5	21.5				21.5	22.4
NYLON[e]	63.0	70.4	84.1	89.1	88.0	85.4	78.7	68.4	64.2				64.2	68.6
ACRYLIC+MODACRYLIC	66.1	66.3	63.2	56.8	53.4	51.4	54.9	56.9	52.9				52.9	59.3
POLYESTER	147.9	147.3	151.0	148.6	150.4	164.8	170.8	162.4	159.0				159.0	153.1
OLEFIN+VINYON	33.3	33.7	34.0	31.7	29.7	28.9	30.4	30.6	32.4				32.4	24.0
TOTAL NONCELLULOSIC ABOVE[i]	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**	**330.5**	**334.8**	**318.3**	**308.5**				**308.5**	**305.0**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	12.6	13.2	13.1	13.2	13.3	14.7	11.5	13.7					105.3	81.4
CARPET CLASS WOOL	1.0	0.8	0.9	0.8	0.7	0.7	0.7	1.1					6.7	8.5
TOTAL RAW WOOL	13.6	14.0	14.0	14.0	14.0	15.4	12.2	14.8					112.0	89.9
RAW COTTON	269.5	263.3	265.0	265.2	265.6	280.0	222.9	282.0					2113.5	1764.9

a. Year-to-date totals for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 53 of the March 1986 issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier Industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

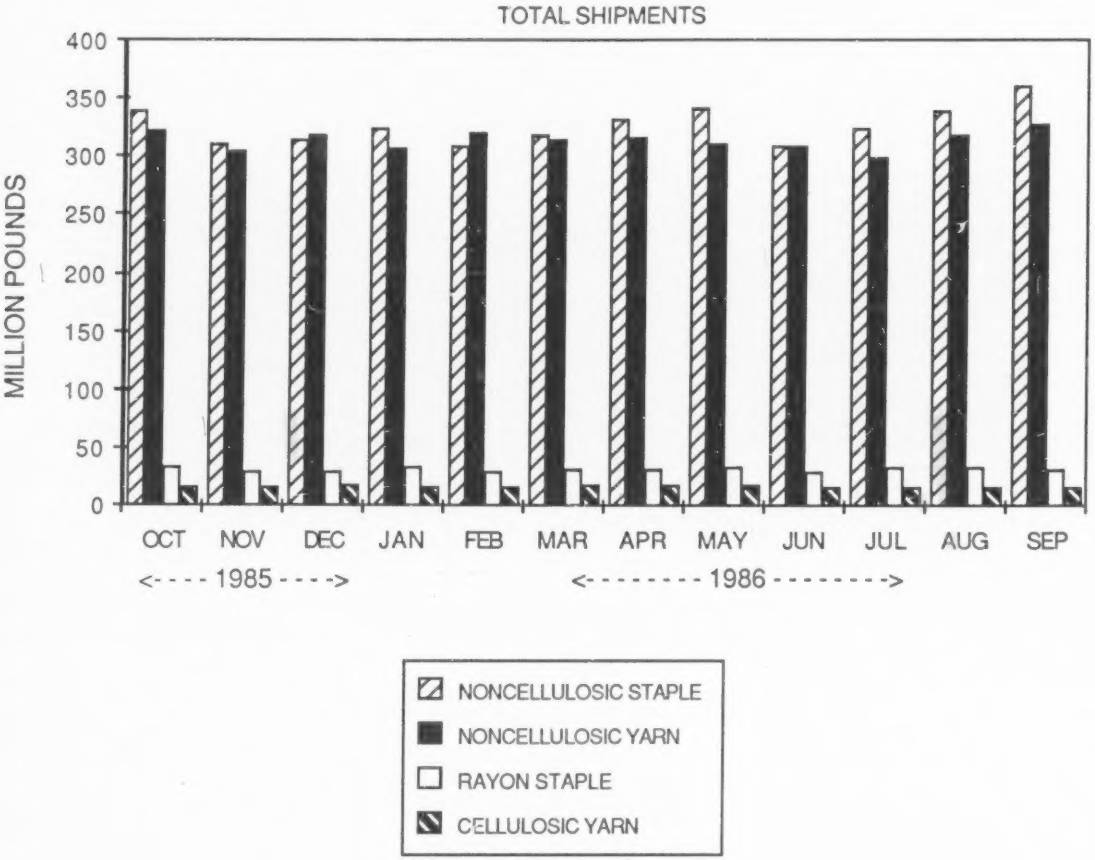
h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

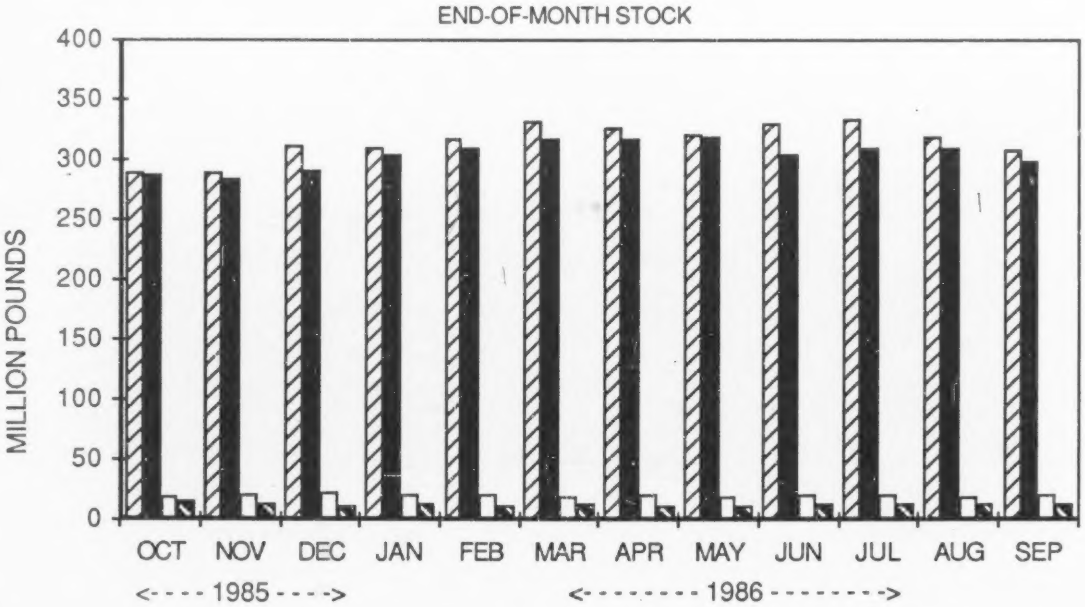
I. Saran and spandex data are not included in these totals. See page 53 of the March 1986 issue for annual data on these yarns.

J. Acetate staple+tow data are available annually only; see page 53 of the March 1986 issue.

k. Low denier industrial[g] Nylon and Polyester is now included with Textile.

GRAPH 7:
SELECTED U.S. MONTHLY TEXTILE FIBER DATA


TOTAL SHIPMENTS


END-OF-MONTH STOCK

MAN-MADE FIBER REVIEW

A four-page *monthy* REVIEW with *up-to-the-minute* data for those who need the *very latest* industry figures *quickly.*

Data for the REVIEW are analyzed and published *3 to 4 days* after it is released.

The REVIEW details U.S. man-made fiber production, shipments and stocks, and expands on certain items published in the TEXTILE ORGANON. It also contains a monthly summary of industry activities. Looking for trends? Man-made fiber data, published in the REVIEW, may provide a good *early indicator* of trends likely to take place in the textile and apparel industries.

PRICE: $ 250.00 (per year) - U.S.A.
$ 280.00 (per year) - Foreign

ORDER FORM

I would like to subscribe to the:

☐ **Man-Made Fiber Review**

U.S.A.	$ 250.00 (per year)
Other Countries	$ 280.00 (per year)

Enclosed is my check in the amount of $ __________
Make all checks payable in U.S. dollars to Textile Economics Bureau, Inc.

NAME ______________________________ TITLE ______________________________
COMPANY ____
ADDRESS ____
CITY ________________________________ STATE ____________ ZIP __________

TEXTILE ECONOMICS BUREAU
101 EISENHOWER PARKWAY
ROSELAND, N.J. 07068
(201) 228-1107

FOLD HERE

FROM: ____________________

____

____

____

PLACE
STAMP
HERE

TEXTILE ECONOMICS BUREAU
101 EISENHOWER PARKWAY
ROSELAND, N.J. 07068

FOLD HERE

MAN-MADE

FIBER REVIEW

A Monthly Summary of Fiber Production Information Vol. 5, No. 7 July 1986

-SAMPLE-

HIGHLIGHTS

In June, production of noncellulosic fibers (except aramid, saran and spandex) totaled 609.6 million pounds, 6.2% below the 649.9 million pounds produced in May. Filament yarn production fell 7.2% to 291.6 million pounds and staple+tow fell 5.3% to 318.0 million pounds.

Shipments of noncellulosic fibers (except aramid, saran and spandex) fell in June to 611.8 million pounds, down 6.1% from the 651.9 million pounds shipped in May. Deliveries of filament yarn fell 2.8% to 302.8 million pounds and shipments of staple+tow fell 9.3% to 309.0 million pounds.

June producer exports of polyester staple+tow fell 8.1% to 9.0 million pounds and exports of acrylic+modacrylic staple+tow rose to 5.6 million pounds, up 5.7%. For June 1986, producer exports of polyester staple+tow were 58.9% below the 21.9 million pounds exported in June 1985.

June shipments of noncellulosic fibers to the carpet trades fell to 145.9 million pounds, down 2.2% from the 149.2 million pounds shipped in May. Nylon staple+tow fell by 6.1%, nylon yarn rose by 4.8% and polyester staple+tow fell by 20.6%.

As of the end of June, stocks of noncellulosic fibers fell to 638.5 million pounds, down 0.3% from 640.7 million pounds in May. Stocks of staple+tow rose 9.0% and stocks of filament yarn fell 3.5%

MAN-MADE FIBER PRODUCTION DATA

MILLION POUNDS & *PERCENT*

ITEM	1986			1985		YEAR TO DATE		
	JUN	MAY	%[a]	JUN	%[b]	1986	1985	%[c]
YARN+MONOFILAMENTS								
CELLULOSIC YARN	**17.5**	**19.0**	*-7.9*	**16.6**	*+5.4*	**109.0**	**107.3**	*+1.6*
NYLON[d] - INDUSTRIAL	24.9	28.7	*-13.2*	26.4	*-5.7*	167.9	179.0	*-6.2*
- CARPET	72.6	77.7	*-6.6*	70.9	*+2.4*	443.9	370.2	*+19.9*
- TEXTILE[e]	27.3	31.7	*-13.9*	26.8	*+1.9*	181.7	181.9	*-0.1*
POLYESTER - INDUSTRIAL	26.7	26.1	*+2.3*	24.6	*+8.5*	164.2	156.7	*+4.8*
- LOW DENIER INDUSTRIAL	1.9	2.0	*-5.0*	1.0	*+90.0*	13.3	10.6	*+25.5*
- TEXTILE	53.1	66.0	*-19.5*	87.2	*-39.1*	415.7	489.7	*-15.1*
OLEFIN	85.1	81.9	*+3.9*	89.5	*-4.9*	499.2	482.7	*+3.4*
TOTAL NONCELLULOSIC ABOVE	**291.6**	**314.1**	*-7.2*	**326.4**	*-10.7*	**1885.9**	**1870.8**	*+0.8*
STAPLE +TOW+FIBERFILL								
RAYON	**33.4**	**33.2**	*+0.6*	**28.2**	*+18.4*	**194.8**	**171.4**	*+13.6*
NYLON[d]	64.5	70.8	*-8.9*	65.6	*-1.7*	427.9	392.4	*+9.0*
ACRYLIC+MODACRYLIC	49.8	52.0	*-4.2*	47.3	*+5.3*	300.1	321.5	*-6.7*
POLYESTER	174.6	185.7	*-6.0*	150.2	*+16.2*	1059.5	1032.9	*+2.6*
OLEFIN+VINYON	29.1	27.3	*+6.6*	22.0	*+32.3*	164.7	141.8	*+16.1*
TOTAL NONCELLULOSIC ABOVE	**318.0**	**335.8**	*-5.3*	**285.1**	*+11.5*	**1952.2**	**1888.6**	*+3.4*

-- -- Means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. Nylon excludes Aramid.

e. Low denier industrial Nylon is included with Textile.

A publication of the
Textile Economics Bureau, Inc.
101 Eisenhower Parkway ☐ First Floor
Roseland, New Jersey 07068
Telephone (201) 228-1107

ISSN 8755-3309
Subscription: $250.00 per year U.S.A.
$280.00 per year Foreign

© Textile Economics Bureau, Inc. 1986

MILLION POUNDS

CELLULOSIC YARN & STAPLE+TOW PRODUCTION, SHIPMENTS & STOCK

MONTHLY
1986

ITEM	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
	YARN+MONOFILAMENTS													
CELLULOSIC YARN														
PRODUCTION	18.5	16.4	19.4	18.2	19.0	17.5							109.0	107.3
SHIPMENTS - DOMESTIC	16.4	15.7	16.5	17.7	17.0	15.7							99.0	92.4
- EXPORT	1.4	1.5	1.8	1.7	1.9	1.5							9.8	13.3
- TOTAL	17.8	17.2	18.3	19.4	18.9	17.2							108.8	105.7
ENDING STOCK	13.0	12.2	13.3	12.1	12.2	12.5							12.5	19.4
INCLUDES ACETATE AND RAYON YARN+MONOFILAMENT.														
	STAPLE+TOW													
RAYON														
PRODUCTION	33.1	30.4	31.6	33.1	33.2	33.4							194.8	171.4
SHIPMENTS - DOMESTIC	33.6	28.9	29.1	30.9	32.4	28.7							183.6	150.4
- EXPORT	1.3	1.1	3.9	1.8	2.5	2.6							13.2	21.4
- TOTAL	34.9	30.0	33.0	32.7	34.9	31.3							196.8	171.8
ENDING STOCK	20.7	21.1	19.7	20.1	18.4	20.5							20.5	28.1
ACETATE STAPLE+TOW DATA ARE AVAILABLE ANNUALLY ONLY.														

ESTIMATED U.S. MILL CONSUMPTION

MILLION POUNDS

ITEM	1986												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
CELLULOSIC														
YARN	18	17	18	19	18								90	81
STAPLE	36	31	32	33	35								167	138
TOTAL CELLULOSIC	54	48	50	52	53								257	219
NONCELLULOSIC														
YARN	300	311	306	303	304								1524	1501
STAPLE	331	324	332	346	353								1686	1562
TOTAL NONCELLULOSIC	631	635	638	649	657								3210	3063
TOTAL MAN-MADE FIBERS[a]	685	683	688	701	710								3467	3282
COTTON	270	263	264	266										
WOOL	14	14	14	14										
TOTAL FIBER	969	960	966	981										
% OF MILL CONSUMPTION														
MAN-MADE FIBERS	*71*	*71*	*71*	*71*										
COTTON	*28*	*27*	*27*	*27*										
WOOL	*1*	*2*	*2*	*2*										

[a] Excludes textile glass fiber, acetate cigarette tow and aramid.

MILLION POUNDS

NONCELLULOSIC STAPLE+TOW+FIBERFILL
PRODUCTION, SHIPMENTS & STOCK

MONTHLY
1986

	1986												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
NYLON														
PRODUCTION - TOTAL	**71.0**	**71.5**	**78.0**	**72.1**	**70.8**	**64.5**							**427.9**	**392.4**
DOMESTIC SHIPMENTS BY DENIER														
LESS THAN 10	8.2	8.1	8.1	7.3	7.6	7.1							46.4	49.7
10, LESS THAN 15	3.1	3.1	2.2	3.5	2.5	2.3							16.7	13.1
15, LESS THAN 20	53.2	46.5	48.5	50.4	55.6	52.8							307.0	301.1
20 & COARSER	5.0	4.8	4.4	5.0	5.1	4.0							28.3	31.6
TOTAL DOMESTIC SHIPMENTS	69.5	62.5	63.2	66.2	70.8	66.2							398.4	395.5
DOMESTIC SHIPMENTS *ALSO* DIVIDED AS -														
CARPET	64.0	57.4	58.7	61.5	65.5	61.6							368.7	366.5
OTHER	5.5	5.1	4.5	4.7	5.3	4.6							29.7	29.0
EXPORT	1.2	1.6	1.1	0.9	1.1	0.9							6.8	6.4
TOTAL SHIPMENTS	**70.7**	**64.1**	**64.3**	**67.1**	**71.9**	**67.1**							**405.2**	**401.9**
ENDING STOCK	**63.0**	**70.4**	**84.1**	**89.1**	**88.0**	**85.4**							**85.4**	**69.1**
ACRYLIC+MODACRYLIC														
PRODUCTION - TOTAL	**51.9**	**48.0**	**49.1**	**49.3**	**52.0**	**49.8**							**300.1**	**321.5**
DOMESTIC SHIPMENTS BY DENIER														
LESS THAN 4	28.7	29.5	34.4	36.6	38.9	35.5							203.6	171.4
4, LESS THAN 10 AND 10 & COARSER	10.5	10.1	9.9	10.8	11.2	10.7							63.2	53.6
TOTAL DOMESTIC SHIPMENTS	39.2	39.6	44.3	47.4	50.1	46.2							266.8	225.0
EXPORT	11.0	8.2	7.9	8.3	5.3	5.6							46.3	101.4
TOTAL SHIPMENTS	**50.2**	**47.8**	**52.2**	**55.7**	**55.4**	**51.8**							**313.1**	**326.4**
ENDING STOCK	**66.1**	**66.3**	**63.2**	**56.8**	**53.4**	**51.4**							**51.4**	**72.5**
POLYESTER														
PRODUCTION - TOTAL	**172.8**	**170.6**	**177.4**	**178.4**	**185.7**	**174.6**							**1059.5**	**1032.9**
DOMESTIC SHIPMENTS BY DENIER														
FIBERFILL	23.5	24.0	24.1	24.2	22.7	22.2							140.7	137.6
LESS THAN 1.3	39.0	37.4	39.2	42.2	44.8	38.9							241.5	148.2
1.3, LESS THAN 2.5	75.0	73.5	72.8	76.8	73.3	61.2							432.6	450.5
2.5, LESS THAN 5.5	9.9	11.0	10.7	10.9	11.1	10.2							63.8	68.0
5.5, LESS THAN 10	6.2	6.5	6.5	5.4	6.3	6.2							37.1	36.1
10 & COARSER	14.3	13.2	12.3	15.1	15.9	12.5							83.3	76.1
TOTAL DOMESTIC SHIPMENTS	167.9	165.6	165.6	174.6	174.1	151.2							999.0	916.5
DOMESTIC SHIPMENTS *ALSO* DIVIDED AS -														
CARPET	11.1	10.9	9.3	12.2	13.6	10.8							67.9	64.6
OTHER	156.8	154.7	156.3	162.4	160.5	140.4							931.1	851.9
EXPORT	12.0	5.6	8.1	6.2	9.8	9.0							50.7	114.2
TOTAL SHIPMENTS	**179.9**	**171.2**	**173.7**	**180.8**	**183.9**	**160.2**							**1049.7**	**1030.7**
ENDING STOCK	**147.9**	**147.3**	**151.0**	**148.6**	**150.4**	**164.8**							**164.8**	**175.7**
OLEFIN & VINYON														
PRODUCTION	**27.6**	**25.8**	**29.0**	**25.9**	**27.3**	**29.1**							**164.7**	**141.8**
SHIPMENTS	**24.0**	**25.4**	**28.7**	**28.2**	**29.3**	**29.9**							**165.5**	**142.1**
ENDING STOCK	**33.3**	**33.7**	**34.0**	**31.7**	**29.7**	**28.9**							**28.9**	**22.9**
TOTAL ABOVE														
PRODUCTION	**323.3**	**315.9**	**333.5**	**325.7**	**335.8**	**318.0**							**1952.2**	**1888.6**
SHIPMENTS	**324.8**	**308.5**	**318.9**	**331.8**	**340.5**	**309.0**							**1933.5**	**1901.1**
ENDING STOCK	**310.3**	**317.7**	**332.3**	**326.2**	**321.5**	**330.5**							**330.5**	**340.2**

*. Means revisions in the previous month.

a. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

b. Low denier industrial is finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

c. Does not include saran or spandex.

d. Low denier industrial nylon is now included with Textile.

MILLION POUNDS

NONCELLULOSIC YARN+MONOFILAMENTS PRODUCTION, SHIPMENTS & STOCK

MONTHLY
1986

	1986												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1986	1985
NYLON														
INDUSTRIAL [a]														
DOMESTIC SHIPMENTS - TIRES	12.5	13.2	13.2	11.6	11.6	11.8							73.9	84.2
- OTHER	8.6	9.0	9.0	9.0	9.0	8.6							53.2	48.7
EXPORT	5.2	7.3	6.6	8.5	7.0	6.3							40.9	43.6
ENDING STOCK	23.8	25.6	24.1	26.1	27.2	25.4							25.4	29.9
CARPET														
DOMESTIC SHIPMENTS	67.9	69.4	69.7	74.2	70.1	73.5							424.8	371.4
EXPORT	1.7	1.7	1.4	1.5	1.1	1.3							8.7	8.9
ENDING STOCK	55.4	51.8	56.2	52.5	59.0	56.8							56.8	52.9
TEXTILE [a]														
DOMESTIC SHIPMENTS														
TEXTURED YARN	9.2	10.4	10.1	11.1	10.3	9.9							61.0	57.1
FLAT YARN	20.8	19.7	20.7	20.0	19.7	18.4							119.3	115.3
TOTAL TEXTILE DOMESTIC	30.0	30.1	30.8	31.1	30.0	28.3							180.3	172.4
EXPORT	0.9	1.0	0.9	1.0	0.6	0.9							5.3	6.0
ENDING STOCK	49.0	46.1	46.2	44.7	45.8	43.9							43.9	53.8
TOTAL NYLON ABOVE														
PRODUCTION	**135.3**	**127.0**	**134.6**	**133.7**	**138.1**	**124.8**							**793.5**	**731.1**
DOMESTIC SHIPMENTS	119.0	121.7	122.7	125.9	120.7	122.2							732.2	676.7
EXPORT	7.8	10.0	8.9	11.0	8.7	8.5							54.9	58.5
TOTAL SHIPMENTS	**126.8**	**131.7**	**131.6**	**136.9**	**129.4**	**130.7**							**787.1**	**735.2**
ENDING STOCK	**128.2**	**123.5**	**126.5**	**123.3**	**132.0**	**126.1**							**126.1**	**136.6**
POLYESTER														
INDUSTRIAL [a]														
DOMESTIC SHIPMENTS - TIRES	13.7	13.0	12.7	13.4	11.4	11.8							76.0	84.2
- OTHER	12.2	10.8	12.7	10.4	10.4	9.9							66.4	56.8
EXPORT	2.3	1.8	2.5	2.9	2.6	2.4							14.5	8.6
ENDING STOCK	25.1	26.1	26.9	27.2	28.9	31.5							31.5	29.2
LOW DENIER INDUSTRIAL [b]														
DOMESTIC SHIPMENTS	1.9	2.3	2.4	2.0	2.2	1.9							12.7	10.5
EXPORT	+	0	+	+	+	0.1							0.1	0.1
ENDING STOCK	3.3	3.3	3.5	3.6	3.4	3.3							3.3	2.8
TEXTILE														
DOMESTIC SHIPMENTS BY DENIER														
40+50 (55 & FINER)	2.6	2.0	2.3	2.7	3.2	2.5							15.3	12.4
70 (56-89)	11.3	10.5	8.3	11.0	11.8	8.8							61.7	56.2
100 (90-109)	5.1	8.8	8.1	3.5	2.7	3.8							32.0	54.1
120 (110-129) & 135 (130-144)	1.1	0.3	0.1	0.3	0.4	1.3							3.5	4.0
150 (145-179)	43.2	43.9	38.4	38.4	40.7	35.3							239.9	295.2
200 (180 & COARSER)	6.7	5.0	5.4	4.5	5.6	3.1							30.3	28.3
TOTAL TEXTILE DOMESTIC	70.0	70.5	62.6	60.4	64.4	54.8							382.7	450.2
DOMESTIC SHIPMENTS *ALSO* DIVIDED AS -														
TEXTURED YARN	58.2	59.5	51.2	48.3	52.0	43.7							312.9	385.5
FLAT YARN	11.8	11.0	11.4	12.1	12.4	11.1							69.8	64.7
EXPORT	5.2	5.2	4.8	5.9	6.0	3.9							31.0	39.6
ENDING STOCK	81.4	87.0	93.1	92.9	88.5	82.9							82.9	74.5
TOTAL POLYESTER ABOVE														
PRODUCTION	**107.2**	**110.2**	**104.8**	**95.2**	**94.1**	**81.7**							**593.2**	**657.0**
DOMESTIC SHIPMENTS	97.8	96.6	90.4	86.2	88.4	78.4							537.8	601.7
OF WHICH INDIRECT EXPORTS	*8.0*	*7.8*	*8.4*	*6.3*	*6.1*	*6.2*							*42.8*	*80.9*
EXPORT	7.5	7.0	7.3	8.8	8.6	6.4							45.6	48.3
TOTAL SHIPMENTS	**105.3**	**103.6**	**97.7**	**95.0**	**97.0**	**84.8**							**583.4**	**650.0**
ENDING STOCK	**109.8**	**116.4**	**123.5**	**123.7**	**120.8**	**117.7**							**117.7**	**106.5**
OLEFIN														
PRODUCTION	**76.9**	**86.9**	**82.1**	**86.3**	**81.9**	**85.1**							**499.2**	**482.7**
SHIPMENTS														
FILAMENT YARN	15.7	17.3	16.7	16.9	17.6	18.2							102.4	93.3
FILM FIBER & OTHER	59.4	66.9	67.7	67.0	67.4	69.1							397.5	383.7
TOTAL SHIPMENTS	**75.1**	**84.2**	**84.4**	**83.9**	**85.0**	**87.3**							**499.9**	**477.0**
ENDING STOCK	**66.7**	**69.4**	**67.1**	**69.5**	**66.4**	**64.2**							**64.2**	**67.2**
TOTAL ABOVE [c]														
PRODUCTION	**319.4**	**324.1**	**321.5**	**315.2**	**314.1**	**291.6**							**1885.9**	**1870.8**
SHIPMENTS	**307.2**	**319.5**	**313.7**	**315.8**	**311.4**	**302.8**							**1870.4**	**1862.2**
ENDING STOCK	**304.7**	**309.3**	**317.1**	**316.5**	**319.2**	**308.0**							**308.0**	**310.3**

See Footnotes Opposite